

COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY

An International Journal

EDITOR: G. A. KERKUT (Southampton)

**VOLUMES 74-76 A, B and C, 1983
Author and Subject Indexes**



PERGAMON PRESS

**OXFORD · NEW YORK · TORONTO · SYDNEY · PARIS
FRANKFURT**

Comparative Biochemistry and Physiology

Editor

Professor G. A. KERKUT, Department of Physiology and Biochemistry, University of Southampton, Southampton SO9 3TU, England (Executive Editor). Tel: (0703) 559122

Members of the Honorary Editorial Advisory Board

T. H. BULLOCK (La Jolla)	C. MANWELL (Adelaide)
C. B. COWEY (Aberdeen)	H. S. MASON (Portland)
R. FÄNGE (Göteborg)	C. L. PROSSER (Urbana)
E. FLOREY (Konstanz)	J. ROCHE (Paris)
W. S. HOAR (Vancouver)	B. T. SCHEER (Santa Barbara)
H. KINOSITA (Saitama)	C. A. VILLEE (Massachusetts)
E. KREPS (Leningrad)	G. WALD (Harvard)
O. LOWENSTEIN (Birmingham)	J. H. WELSH (Maine)

Publishing, Subscription and Advertising Offices: Pergamon Press Ltd, Headington Hill Hall, Oxford OX3 0BW, England (Tel. Oxford 64881).

North America: Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, USA.

Annual Subscription Rates 1984 (including postage and insurance)

For libraries, research establishments and all other multiple-reader institutions; combined subscriptions: 1-yr \$1450.00; 2-yr \$2755.00. Part A, Comparative Physiology \$630.00; Part B, Comparative Biochemistry \$630.00; Part C, Comparative Pharmacology and Toxicology \$350.00 (2-yr subscription rates: Part A, \$1197.00; Part B, \$1197.00; Part C, \$665.00).

Specially Reduced Rates to Individuals

In the interests of maximizing the dissemination of the research results published in this important international journal we have established a two-tier price structure. Any individual whose institution takes out a library subscription may purchase a second or additional subscription for personal use at the much reduced rate of \$80.00 per annum (combined subscription). Part A, Comparative Physiology \$55; Part B, Comparative Biochemistry \$55; Part C, Comparative Pharmacology and Toxicology \$45. Parts A and B: three volumes of each part per year, four issues per volume (Part A—1st of the month; Part B—15th of the month). Part C: three volumes per year, two issues per volume (commencing Vol. 50, No. 1, 1984).

Microform Subscriptions and Back Issues

Back issues of all previously published volumes are available in the regular editions and on microfilm and microfiche. Current subscriptions are available on microfiche simultaneously with the paper edition and on microfilm on completion of the annual index at the end of the subscription year.

Copyright © 1983 Pergamon Press Ltd

It is a condition of publication that manuscripts submitted to this journal have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher if and when the article is accepted for publication. However, assignment of copyright is not required from authors who work for organizations which do not permit such assignment. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform or any other reproductions of similar nature and translations. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, electrostatic, magnetic tape, mechanical, photocopying, recording or otherwise, without permission in writing from the copyright holder.

Photocopying information for users in the USA

The Item-Fee Code for this publication indicates that authorization to photocopy items for internal or personal use is granted by the copyright holder for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service provided the stated fee for copying beyond that permitted by Section 107 or 108 of the United States Copyright Law is paid. The appropriate remittance of \$3.00 per copy per article is paid directly to the Copyright Clearance Center Inc., 21 Congress Street, Salem, MA 01970. The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works, or for resale. Specific written permission must be obtained from the publisher for such copying. In case of doubt please contact your nearest Pergamon office.

The Item-Fee Code for this publication is: 0300 9629 83 \$3.00 + 0.00

PERGAMON PRESS

HEADINGTON HILL HALL, OXFORD OX3 0BW, ENGLAND
MAXWELL HOUSE, FAIRVIEW PARK, ELMSFORD, NY 10523, USA

AUTHOR INDEX

Volumes 74-76 A, B and C inclusive, 1983

Abad, M. 74B, 807 Algeri, 74C, 27 Armitage, K. B. 74A, 89
Abe, H. 76B, 35 Ali, B. H. 74C, 109; 76C, 131 Armstrong, E. 74B, 553
Abe, T. 76C, 221, 249 Ali, K. E. 74A, 715 Armstrong, M. L. 75B,
Abeywardena, M. Y. 75B, 47 Ali, M. 75A, 293 211
Ablett, R. F. 76B, 107 Alia, M. 74C, 115, 447 Arola, L. 75A, 597
Abraham, S. 75B, 581 Alonso-Bedate, M. 74A, 765; Arthur, R. H. 74A, 977
Achterberg, P. W. 75B, 1 74B, 579; 76A, 389; 76B, 299 Ash, C. P. J. 76B, 603
Ackman, R. G. 75B, 649 Allen, W. V. 74B, 251 Ashkenazi, R. 74C, 323
Adali, O. 76B, 653 Alterman, A. 75A, 421 Asikainen, J. 74A, 225
Adang, M. J. 75A, 233 Aly, M. S. 76C, 127 Ask, J. A. 76A, 543
Addison, R. F. 74C, 173 Amuro, N. 76B, 327 Askari, A. 76B, 449
Adeeman, I. R. 76A, 127 Anctil, M. 74C, 341 Assem, H. 74A, 531
Adjovi, Y. 75A, 347 Andersen, R. A. 75C, 47, 77 Atkinson, H. J. 76B, 603
Adler, J. H. 75A, 105 Anderson, D. P. 76B, 515 Augustine, P. C. 76C, 371
Agar, N. S. 75B, 195, 445 Anderson, M. D. 74B, 755 Aulie, A. 74A, 315
Agosin, M. 75C, 311 Anderson, R. M. 74B, 755 Avissar, I. 75B, 327
Agudelo, M. I. 75A, 211 Anderson, S. 76A, 189 Ayala, G. F. 75C, 231
Aguiar, F. J. C. 74A, 951 Andersen, K-J. 74A, 331; 75A, Azoulay-Dupuis, E. 74B,
Airoldi, L. P. S. 76A, 123 9, 13, 17 831
Aissi, E. 74B, 559 Andrade, C. M. 75B, 147 Azuma, M. 74C, 393
Akahane, K. 76C, 231 Andrews, P. L. R. 74A, 939 Azuma, N. 75B, 287
Akitomi, H. 75C, 211; 76C, Andrews, R. V. 75A, 589 Bachman, M. 76B, 763,
33 Andrianov, G. N. 74C, 95 769
Akiyama, S. K. 76B, 687 Anekwe, G. E. 74B, 661 Bacila, M. 74C, 159; 75B,
Akoev, G. N. 74C, 95 Angelaccio, S. 76B, 483 141; 75C, 267
Aksnes, A. 76B, 15 Antonov, S. A. 76B, 167 Badawi, H. K. 76C, 163,
Al-Abdaly, F. A. 74B, 715 Apanius, V. 76B, 907 173
Alahiotis, S. N. 75B, 379, Appel, A. G. 74A, 357 Baeyens, D. A. 76A, 301
425 Arad, Z. 74A, 125, 449 Baggott, G. K. 76A, 271
Al-Badry, K. S. 74A, 137, Arai, M. 75B, 589 Baguet, F. 75C, 79
143, 435 Arbuthnot, P. B. 74B, 467 Bairlein, F. 76A, 397
Alderman, J. A. 76C, 383 Argov, D. 74A, 945 Bajorat, K. H. 74A, 721
Aldridge, D. W. 74A, 491 Arinc, E. 74C, 151; 76B, 653 Baker, P. C. 75C, 135
Aldunate, J. 76B, 61 Ariyoshi, Y. 75C, 329 Baldaccini, N. E. 76A,
Alemany, M. 75A, 597; 75B, Atkins, A. M. 76B, 899 639, 673
137 Arlot-Bonnemains, Y. 76A, Baldwin, J. 74B, 307; 76B,
Alexander, P. A. 75B, 109 377

191
 Bale, M. 76B, 907
 Balestrieri, C. 76A, 481
 Ballantyne, J. S. 76B, 133
 Ballester, M. E. M. 74C, 111
 Bally, R. 75A, 625
 Balph, D. F. 74A, 239
 Baltz, D. 76A, 189
 Baraldi, S. M. 74B, 743
 Barany, M. 76B, 801
 Barber, A. 75C, 161; 76C, 135
 Barber, D. C. 74A, 961
 Barbier, M. 76B, 57
 Bar-Ilan, A. 75A, 97, 603
 Barker, C. J. 74A, 915
 Barkley, M. 76A, 189
 Barnes, W. S. 75A, 491
 Barra, D. 76B, 483
 Bartolome, T. R. 75B, 689
 Bartrons, R. 76B, 789
 Bass, E. L. 75C, 131
 Bassler, G. 76A, 85
 Bauermeister, A. 74C, 89
 Baum, B. J. 74A, 829
 Bazil, C. 75B, 451
 Beale, D. 76B, 385
 Beamish, F. W. H. 75C, 247
 Beard, J. H. 74C, 219
 Beatty, E. M. 76B, 271
 Beck, M. L. 74A, 915
 Beck, M. M. 74A, 343
 Becker, W. 76B, 215
 Bedford, J. J. 76A, 75, 81
 Beidler, L. M. 75A, 131; 76A, 777
 Beitingen, T. L. 75B, 27
 Bell, F. E. 74B, 703
 Bell, F. P. 75B, 211
 Belleli, A. 74A, 545
 Ben-Asher, J. 75A, 425
 Bengal, I. 75A, 175
 Benito, F. F. S. 74B, 643
 Benjamin, P. R. 75A, 549
 Bennett, J. L. 76C, 377
 Bennett, P. B. 75A, 193
 Bentley, P. J. 76B, 717
 Benvenuti, S. 76A, 719
 Berdyshev, G. D. 74B, 343, 819
 Berlan, M. 74C, 41
 Bernstein, R. 74A, 149
 Berrocal, F. 76B, 9, 795
 Berry, R. E. 74C, 365
 Bertin, R. 74A, 855
 Bertram, J. F. 75C, 343
 Besancon, J. 74B, 529
 Bessems, G. J. J. 76B, 47
 Bethlenfalvay, N. C. 75A, 635
 Beynen, A. C. 76B, 737
 Biagioni, M. 75C, 185
 Bieber, L. L. 75B, 311
 Biegnewska, A. 74B, 627
 Biggers, C. J. 74A, 915
 Biguet, J. 74B, 559
 Billheimer, J. T. 76B, 127
 Bilotta, J. A. T. 74A, 755
 Bindels, J. G. 76B, 47
 Binkley, S. 75A, 123
 Birchard, G. F. 74A, 693
 Bird, D. J. 74A, 623; 75A, 369; 75B, 31
 Bird, D. M. 75A, 163
 Biserte, G. 76B, 263
 Bismuto, E. 76A, 481
 Bittar, E. E. 74C, 177; 75A, 243; 75B, 93; 76A, 763; 76B, 921
 Bittorf, Th. 75B, 713
 Bladier, D. 76A, 393
 Bladon, P. T. 74B, 653
 Blayo, M.-C. 74B, 831
 Bledsoe, S. C. Jr. 75C, 199
 Blum, M. S. 75B, 15, 237;
 76C, 283
 Blum, N. A. 75B, 15
 Board, R. G. 75A, 111
 Bobak, P. 74B, 603; 76B, 845
 Bobbin, R. P. 75C, 199
 Bock, E. 76A, 241
 Bodner, L. 74A, 829
 Boggs, D. F. 74A, 693
 Bokisch, A. J. 75C, 171
 Bóler, J. B. 75C, 47
 Bomzon, L. 75A, 441
 Bonino, M. B. de J. 76C, 313
 Bonner, W. M. 76B, 455
 Boone, L. Y. 75B, 505
 Bordanova, O. 76B, 185
 Boross, L. 75C, 167
 Borst, D. W. 74B, 749
 Bosch, C. 75B, 575
 Bossa, F. 76B, 483
 Bounias, M. 74C, 143
 Bouquelet, S. 74B, 559
 Boyd, B. C. 74A, 199
 Brackenbury, J. H. 76A, 211
 Bradley, B. P. 75B, 659
 Bradley, J. T. 75B, 733
 Brady, U. E. 75C, 111
 Brainard, G. C. 76A, 199
 Branch, L. C. 74A, 395
 Bray, T. M. 75C, 137, 395
 Bremmer, T. A. 74B, 755
 Brendel, K. 75B, 133
 Brenner, R. R. 76B, 927
 Bretting, H. 75B, 269
 Briand, J. 76B, 153
 Brick, R. W. 74A, 561
 Briers, T. 74A, 521; 75B, 9
 Briffa, P. 74A, 731
 Briscoe, D. A. 75B, 685

Brittain, T. 76A, 387; 76B, 579 Campana, S. E. 75A, 215 Chatagner, F. 75A, 141
Brockman, R. P. 74A, 681; 75A, 201 Campiglia, S. S. 76A, 167 Chawla, S. 75B, 205
Brodfuehrer, P. 74A, 169 Campos, M. S. 75A, 87 Chayoth, R. 75A, 47
Brooks, R. W. 76B, 895 Canales, J. 75B, 221 Chefurka, W. 74C, 259
Brown, D. 76B, 921 Candelas, G. C. 74B, 637 Chemnitius, J-M. 76C, 85
Brown, R. D. 75A, 71, 385 Cane, J. H. 76B, 895 Chen, B-y. 74A, 869
Brown, W. D. 76B, 479 Cantrill, R. C. 74B, 467; 76B, 881 Cheong, W. H. 75B, 43;
Brownlie, S. 74A, 643 Caracciolo, E. A. 74A, 569 76B, 611
Brun, J. 75B, 575 Cardenas, P. 74C, 195; 75B, 259 Cherry, D. S. 74B, 507
Brunner, A. Jr. 74A, 755 Carey, F. G. 74A, 333 Chew, F. J. Ho, P. 74C,
Brunori, M. 74A, 545 Carley, W. W. 74A, 569 185
Brun-Pascaud, M. 74B, 831 Carlson, J. R. 75A, 579 Chiang, G. L. 75B, 43;
Bruss, M. L. 76A, 339 Carlsten, A. 76A, 567, 583 76B, 611
Bubel, A. 74B, 837 Carneiro, V. T. C. 75B, 61 Chiang, L. 75B, 93
Bubenik, A. B. 76A, 37 Carolei, A. 74C, 23, 27 Chiba, Y. 74B, 385
Bubenik, G. A. 74A, 21; 76A, 37 Carpene, C. 74C, 41 Chibber, R. 75B, 335
Bubis, J. 75B, 245 Carpene, E. 74B, 487; 74C, 331 Chieffi, G. 76A, 31
Buhler, D. R. 75C, 25 Carreras, J. 76B, 9, 789 Chihal, D. M. 75C, 199
Buitenhuis, A. 75C, 145, 153 Cascarano, J. 75B, 277 Chinchetrupi, M. A. 75B,
Burky, A. J. 76A, 783 Cascone, O. 76C, 313 719
Burley, F. E. 75C, 137 Castaneda, M. 74B, 573 Chiu, K. W. 74B, 739;
Burnett, J. W. 74C, 225, 361 Castle, A. G. 75B, 335 74C, 99
Burnstock, G. 76C, 255, 319 Castren, M. 76C, 365 Cho, B. H. S. 76B, 331
Burrell, D. E. 74C, 59 Catapane, E. J. 75C, 403 Cho, C. 76C, 9
Burton, F. G. 75A, 167 Cattani, O. 74C, 331 Choy, Y. M. 74B, 739
Burton, M. P. 75C, 121 Ceccaldi, H. J. 74B, 433 Christian, D. P. 74A, 665
Burton, R. F. 74A, 161, 471 Chabanny, V. N. 74B, 343, 819 Christodoulou, C. 74B,
781; 76A, 161; 76B, 663 Chabot, J.-G. 74A, 37 425
Buschor, J. 76B, 65 Chacin, J. 74C, 195 Christoffersen, G. R. J.
Butler, D. G. 74A, 351 Chadwick, A. 76C, 151 76C, 351
Butler, E. J. 76C, 67 Chadwick, R. A. 74A, 687 Christophe, B. 75C, 79
Button, E. E. 75B, 545 Chambers, G. 76B, 921 Chubb, C. 74A, 231
Cabezas, J. A. 75B, 719 Champney, T. H. 76A, 199 Chusid, M. J. 74A, 71
Cadot, M. 76B, 741 Chang, H-C. 75B, 733 Cianciosi, S. C. 76B, 489
Cain, G. D. 76B, 143 Chao, C. C. 75A, 71, 385 Ciereszko, A. 74B, 623
Caldas, R. A. 75B, 61 Chapdelaine, P. 74B, 529 Cirne, B. R. 75A, 631
Calton, G. J. 74C, 225, 361 Chaplin, M. F. 75B, 331 Clandinin, M. T. 75B,
Calvayrac, R. 76B, 153 Chapman, M. J. 75B, 301 199; 76B, 335
Calvo, P. 75B, 719 Charet, P. 74B, 559; 75B, 347 Clark, R. J. H. 74B, 647;
Charnock, J. S. 75B, 47 75B, 163, 169
Clarke, K. R. 74B, 691

Clemens, E. T. 75A, 653; 76A, 217, 319

Clevers, J. 76C, 339

Clifford, H. C. 74A, 561

Cobbs, C. S. 74C, 225

Cole, K. D. 76B, 503

Cole, T. J. 75B, 659

Collatz, K.-G. 74B, 331, 337

Collins, B. G. 74A, 731

Collins, P. B. 76B, 549

Colon, A. D. 74B, 667

Colonna, G. 76A, 481

Colquohoun, J. E. 75B, 671

Colton, S. W. 75B, 217, 429; 76B, 673

Comerford, M. J. 76B, 869

Condo, S. G. 74A, 545

Connett, R. J. 74C, 349

Connolly, J. G. 76A, 1

Cook, B. J. 76C, 39

Cooper, E. L. 76B, 197

Copeland, J. 76A, 21

Corfield, G. C. 75B, 331

Cornelis, M. E. P. 76A, 241

Cornelius, C. E. 76A, 339

Cornette, K. M. 75C, 337

Cortesi, P. 74B, 487

Cosper, C. I. 75B, 649

Cote, J. 75B, 205

Cottrell, G. A. 75C, 373

Coulson, R. A. 74B, 1-182; 75A, 185, 407

Cousseau, M. B. 76C, 313

Countinho, H. B. 74A, 951

Cranford, J. A. 74A, 595

Crawshaw, L. I. 74A, 475

Crews, D. 74A, 807

Crivellaro, O. 74C, 159

Cryer, A. 74B, 593; 76C, 241

Csaba, G. 75A, 457

Csuka, J. 75B, 323

Cuddihee, R. W. 76B, 355

Cunliffe, W. J. 74B, 653

Curnow, D. H. 76C, 75

Curtis, L. R. 76C, 107

Czarnecki, C. M. 75C, 207

Czeczuga, B. 75B, 181, 541

Dabrowski, K. 74A, 409, 417

Da Costa, C. P. 74C, 485

Daguzan, J. 74A, 323

Daikoku, T. 75A, 343

Dain, J. A. 76B, 619

Damdinsuren, S. 76B, 185

Dance, S. J. 76C, 277

Daniel, E. 75B, 327

Daniel, V. 75B, 327

Dannenburg, F. 75B, 269

Dannevig, B. H. 74B, 243

Dapson, R. W. 74A, 199

Darcel, C. Le Q. 74B, 225, 231; 75B, 395, 399; 76B, 423

Darvas, Z. 75A, 457

Dauncey, M. J. 74A, 549

David, J. R. 74A, 283

Davis, D. E. 76A, 183

Davis, J. P. 76A, 115

Davis, G. R. F. 74C, 167

Davis, K. B. 74A, 513

Davis, R. H. 75B, 65

Davison, T. F. 75A, 139

Dawes, C. M. 74A, 861; 76A, 271

Dawes, K. W. 76B, 763, 769

Dawson, T. J. 75A, 41

Dawson, W. D. 74B, 703

Dean, R. C. 74A, 587

de Araujo Caldas, R. 74B, 449

de Barros, E. G. 74B, 449

de Bianchi, A. G. 76B, 861

de Bont, A. M. T. 75B, 171

de Bruijne, J. J. 75B, 553, 557

Decaris, F. X. 75C, 369

Decker, D. M. 75B, 113

Decleir, W. 75A, 261

De Costa, J. 76B, 299

Degani, G. 75A, 619

de Groot, B. F. 74C, 419

De Jong, J. W. 75B, 1

de Jongh, K. S. 76B, 869

de Koster, P. 75B, 553

de la Fuente, M. 74C, 115, 447

de la Higuera, J. R. 75C, 179

de la Higuera, M. 75A, 609

de la Higuera Torres-P, J. 75C, 179

Delahunty, G. 76A, 189

del Barrio, P. G. 76B, 567

Delers, F. 74A, 745; 74B, 619

Delgado, M. J. 74A, 765; 76A, 389

DeLoach, J. R. 75A, 499; 76A, 47

De Loof, A. 74A, 3, 521; 75B, 9

De Luca, D. 76B, 515

De Luca, P. H. 74B, 315

de Man, B. M. 76B, 47

de Marco, F. 74A, 855

Demeneix, B. A. 75A, 273

Demigne, C. 74A, 839

Demoto, M. 74A, 577

De Moura, A. G. 76A, 345

Dendinger, J. E. 74A, 903; 75A, 421

Denlinger, D. L. 76C, 121

de Quiroga, G. B. 74B, 579

Derkachev, E. F. 75B, 531

De Ruyter, A. 76B, 591

Descamps, M. 76C, 237
Desjardins, C. 74A, 231
Desrochers, P. E. 76B, 241
Devery, R. A. M. 76B, 549
deVlaming, V. 76A, 189
de Vonne, T. L. 75B, 701
de Vos, V. 75A, 441
DeVries, A. L. 74A, 381
de Weille, J. R. 74A, 677
Dey, A. C. 75C, 93
Dhaliwal, S. S. 75B, 43;
76B, 611
Di Cola, D. 76B, 87
Didier, R. 74A, 839
Diehl, W. J. 74B, 753
Dietrich, C. P. 76B, 433,
695
Dietz, T. H. 76C, 285
di Giacomo, G. 74B, 499
Dillon, T. M. 74C, 377
Di Matteo, L. 76A, 31
Din, M. A. E. 75C, 357
Dini, A. 74B, 499; 76B, 839
Diederer, J. H. B. 74A, 455
Dobrowolska, A. 74A, 427
Dogovic, N. 75B, 519
Doi, O. 74A, 195
Domingo, M. 74A, 745;
74B, 619
Donahue, P. 74B, 289
Donaldson, K. 76A, 807
Doncker, J. 75A, 569
Doonan, S. 76B, 483
Dorris, R. L. 75C, 327
Downe, A. E. R. 75B, 509
Downing, D. T. 75B, 217,
429; 76B, 673
Doxey, D. L. 76B, 271
Dresden, M. H. 75B, 671
Driedzic, W. R. 76A, 487
Dryden, W. F. 75B, 47
Duarte, D. P. F. 74C, 485
Dudoignon, R. M. 76B, 643
Duhamel, R. C. 75B, 133
Duncan, K. L. 74A, 977
Dunnette, J. H. 75C, 85
Dunson, W. A. 76A, 51
Dupe-Godet, M. 75A, 347
Dupre, R. K. 75A, 255, 650
Du Preez, H. H. 75A, 353
Durliat, M. 76A, 95, 103
Dutrieu, J. 74B, 273
Dziegielewska, K. M. 76A, 241
Ebihara, Y. 76C, 33
Eddy, F. B. 75C, 1
Eder, J. 76B, 703
Edwards, B. A. 76A, 807
Edwards, B. F. P. 76B, 373
Edwards, S. W. 75B, 53
Egorova, V. V. 76B, 627
Eguchi, M. 75B, 589, 595;
76B, 23, 29
Ehrich, M. 74C, 383
Eigenbrodt, E. 75B, 341
Eigenhuis, C. 75A, 569
Eisner, U. 75A, 175
Eke, L. O. 75B, 263
Elakov, G. B. 74B, 597
Elamin, F. M. 75B, 189
Elger, B. 75C, 253
El Khatim, M. M. 74A, 275
Ellington, W. R. 74B, 543;
76A, 615
Ellis, L. C. 74A, 239
Else, P. L. 76A, 553
Elsey, R. 75B, 563
Elsey, R. M. 76B, 831
Elyakov, G. B. 76B, 167
Elzen, G. W. 74B, 759; 76A,
17
Emerole, G. O. 74C, 473
Emerson, L. 76A, 453
Emokpae, A. O. 74B, 661
Engebretson, J. A. 75B, 293
Engler, R. 74B, 619
Enyikwola, O. 74A, 161,
471
Epple, A. 74A, 671
Ericson, L. E. 76A, 583
Erkert, H. G. 74A, 307
Eshchar, J. 74C, 469
Esnard, F. 75B, 701
Espinoza-Fuentes, F. P.
76B, 861
Esteller, A. 74A, 67
Etzion, Z. 74A, 189
Everaarts, J. M. 76B, 79
Ewert, A. 74C, 299
Ewert, J. P. 76A, 247
Ewig, J. E. 74A, 927
Evans, J. V. 75B, 445
Evanson, O. A. 75C, 207
Everard, L. B. 75C, 275
Eylath, U. 74A, 449
Failla, M. L. 74B, 507
Fairclough, D. P. 74B,
647; 75B, 163, 169
Falco, B. 74B, 499
Fales, H. M. 75B, 15,
237
Fancey, L. L. 76C, 247
Fange, R. 76B, 277
Faraldo, A. 75B, 221
Farooqui, A. A. 75B, 185
Farrar, E. S. 75A, 255
Farrar, W. W. 74B, 549;
75B, 317
Farrar, Y. Jo K. 74B,
549; 75B, 317
Farrell, A. P. 75A, 239
Fathi, M. M. 74C, 15
Faulkner, L. W. 75A, 71,
385
Federici, G. 76B, 87
Feldman, A. T. 74A, 199
Fenn, R. H. 74B, 837
Fenske, M. 74A, 971

Fenwick, J. C. 76B, 745 Foose, T. J. 74A, 375 Garcia, J. A. 75A, 87
 Feria-Velasco, A. 74B, 709 Foot, M. 76B, 335 Garcia, J. L. 74B, 417
 Fernandes, L. R. V. 75C, 267 Foreman, R. A. 74B, 543 Garcia, R. D. 74A, 263
 Fernandez, A. 75B, 221 Formas, J. R. 75B, 475 Garcia Martin, L. O.
 Ferracin, A. 74A, 545 Forward, R. B. Jr. 74A, 301 74B, 807
 Ferreira, L. M. P. 74A, 951 Foss, P. 76B, 599 Garcin, F. 75B, 205
 Ferreira, M. F. A. 75B, 147 Fouchereau-Peron, M. 76A, Gariepy, P. 74C, 341
 Ferreira, T. M. P. C. 76B, 377 433, 695 Garrison, J. E. 74B, 283
 Fourie, F. le R. 74A, 443 Fournier, P. C. Jr. 76B, 497 Gasic, M. J. 75B, 519
 Feve, A. 75B, 701 Fourtner, C. R. 74A, 169 Gasith, A. 75C, 377
 Fiaschi, V. 76A, 719 Fraile, A. 76B, 299 Gautier, J. 75A, 163
 Fideu, M. D. 74B, 795 Frankel, J. S. 76B, 103 Gavilanes, J. G. 76B,
 Fielder, D. R. 75C, 141 Frazier, L. W. 75C, 321 249, 643
 Fieth, P. 74B, 837 Freeman, B. M. 74A, 51, Gay, C. V. 74B, 295;
 Fiksdahl, A. 76B, 599 635, 639 76B, 523
 Finberg, J. M. P. 74A, 967 Freeman, L. 75B, 27 Gelman, D. B. 76A, 367
 Fine, M. L. 74A, 659; 76A, Freitas, E. M. P. 74A, 951 Gelperin, A. 76A, 21
 225 French, R. R. 76B, 309 George, J. C. 74A, 601
 Fingerman, M. 74C, 303 Frias, M. L. 75A, 615 George, S. G. 76C, 53,
 Finlay, B. J. 74A, 211 Fry, M. 75B, 451 59
 Fisch, F. E. 75A, 397 Fuchs, M. S. 75B, 435 Gerencser, G. A. 74A,
 Fisher, C. W. 75C, 111 Fuentes-Pardo, B. 74A, 711 697, 701; 75C, 337
 Fisher, D. J. 74C, 377 Fujimoto, Y. 74C, 249 Gerritsen, W. J. 76B,
 Fister, P. 75B, 341 Fujita, S. 76C, 25 875
 Fitch, N. 76A, 475 Fujiwara, M. 75C, 239 Gesser, H. 76A, 559; 76C,
 Fitzgerald, R. 76A, 189 Fukami, J. 74C, 249 199
 Fitzsimons, J. T. R. 74A, 739 Fuke, S. 74B, 685 Giardini, B. 74A, 545
 Flack, I. H. 74A, 51, 635, Fukuda, H. 76C, 231 Gibson, R. A. 74A, 295
 639 Full, R. J. 74A, 117 Gibson, Q. H. 74A, 333
 Flatman, P. W. 74A, 939 Fuller, R. W. 74C, 47 Gilbert, M-A. 75B, 575
 Flavin, M. 75A, 81; 75B, 301 Furukohri, T. 75B, 17, 567 Gilbert, R. J. 74B, 277
 Fletcher, T. C. 74B, 453 Furspan, P. 75A, 401 Gilchrist, B. M. 74B,
 Flik, G. 76B, 745 Fyhn, H. J. 74A, 301 647- 75B, 163; 76B, 885
 Florey, E. 75C, 285 Gabryelak, T. 75C, 383 Gildberg, A. 75A, 337
 Floyd, R. B. 75A, 267 Gade, G. 76A, 615; 76B, 73 Giovannini, E. 75C, 185
 Foa, A. 76A, 733 Galarza, A. 74B, 807 Gleeson, M. 76A, 211
 Focant, B. 76B, 283 Gallone, C. 74C, 27 Glick, D. M. 75B, 103;
 Focesi, A. Jr. 76A, 123; Gallucci, E. 75A, 157 109
 76B, 915 Galvan, S. C. 74B, 573 Gnagey, A. L. 76C, 121
 Folk, G. E. Jr. 76A, 773 Ganhao, M. F. 75A, 441 Goad, L. J. 76B, 569,
 Fomenko, V. N. 74B, 825 Garcia, F. J. 75B, 137 575
 Fonda, M. L. 76B, 355 Garcia, J. A. 75A, 87 Gold, P. 74C, 225

Goldenberg, S. 75A, 447, 619 Gung-Aajav, T. 76B, 185 Harri, M. 74A, 225
Goldie, R. G. 75C, 343; 76C, Guo, Y-e. 74A, 869 Harrington, J. P. 76B,
75 Gutierrez, P. 74B, 579; 76A, 235
Goldinger, J. M. 76A, 55 389 Harrison, P. 76A, 475
Goldspink, D. F. 75A, 91 Gwynne, M. D. 75A, 517 Hasiba, U. 75A, 147
Goldstein, S. 75B, 301 Gyuris, E. 76B, 191 Hasson, S. M. 75A, 491
Gonzalez, C. 76A, 265 Haswell, M. S. 74A, 175
Gonzalez, J. 74A, 67 Hack, M. H. 76B, 399 Hatakeyama, S. 75C, 21
Gonzalez, R. 75B, 603 Hacker, R. R. 75B, 199 Hattingh, J. 74A, 443;
Goodfellow, R. M. 76B, 575 Haddad, M. E. 76A, 153 75A, 441
Goolish, E. M. 76A, 127 Haim, A. 74C, 323 Hayashi, K. 76B, 139
Gordon, C. J. 74A, 479 Hakim, G. 74B, 487; 74C, 331 Hays, E. T. 74C, 349
Gorsline, J. 74A, 795 Hall, G. E. 75B, 81 Heath, J. E. 74A, 479
Goso, K. 76B, 5 Hall, L. 76B, 699 Heath, M. E. 76A, 363
Goto, H. 76B, 471 Hall, R. 76A, 253 Hegab, S. A. 74A, 537
Goto, Y. 76B, 327 Hall, T. R. 74C, 35; 76B, 393; Heinemann, M. A. 74B,
Gotoh, T. 75B, 17, 567 76C, 151 445
Goubern, M. 76B, 741 Halpert, A. 74A, 807 Helle, K. B. 76A, 447
Gourlet, V. 74A, 933; 75A, 293 Hamada, N. 76B, 139 Helmy, F. M. 76B, 399
Gourdoux, L. 74B, 273 Hammack, M. J. 74C, 349 Hennon, B. 76B, 263
Goyffon, M. 76B, 153 Hampel, A. E. 76A, 357 Hemrick-Luecke, S. K.
Graham, R. A. 74A, 45 Hanai, K. 76A, 283 74C, 47
Grandier-Vazeille, X. Hand, A. R. 74A, 829 Henderson, G. D. 76B,
76B, 263 Hanninen, O. 76C, 81 295
Grant, G. S. 74A, 77 Hara, A. 76A, 135 Henderson, J. F. 76B,
Gras, H. 76A, 279 Hardy, K. J. 76C, 345 419
Green, J. M. 75C, 305; 76C, 247 Harri, M. 76C, 81 Henderson, N. E. 75A,
Greenaway, P. 75A, 181 Harvey, S. 76C, 151 273
Greenberg, M. J. 75C, 373 Haschemeyer, A. E. V. 74B, 735; 76B, 541, 545 325
Greenwood, J. G. 75C, 141 Hanke, W. 74A, 531, 537 Henderson, R. J. 74C,
Gregory, R. L. 76B, 113 Hann, Ao C. 74B, 357 377
Gregson, R. P. 74C, 125, 413 Hansen, E. S. 74A, 63 Henry, P. 75C, 361
Greven, H. 75B, 471 Hansen, H. J. M. 75B, 581 Hentschel, H. 75C, 253
Griffiths, A. J. 75B, 53 Hansen, P.-D. 74C, 173 Hepburn, H. R. 74B, 467
Grim, S. O. 74C, 299 Hanson, W. L. 75B, 185 Herbener, G. H. 76B, 355
Grimm-Jørgensen, Y. 74A, 653 Hanumante, M. M. 74C, 303 Herbert, J. D. 75A, 185
Gromadzka-Ostrowska, J. Harder, C. M. 75B, 119 Herd, R. M. 75A, 41
74A, 427 Hardig, J. 75A, 27, 35 Hergenhahn, H-G. 74B,
Grusdkov, A. A. 76B, 627 Harding, D. H. 74A, 363 473
Guerra, A. A. 74A, 263 Harmsen, E. 75B, 1 Hernandez, J. 75C, 179
Haro, A. 74B, 417 Hernandez, T. 74B, 1-182;

Jeronimo, S. M. B. 76B, 433; Kapp, O. H. 76B, 207
 695 Karasawa, Y. 74A, 95
 Joffe, M. 76B, 783 Kargbo, A. O. 76B, 123
 Johansson, P. 74C, 239 Kasienczuk, D. 75B, 205
 Johns, R. B. 75B, 617 Kasprzyk, A. 74A, 463
 Johnson, A. H. 76B, 549 Kataoka, T. 75B, 5
 Johnson, M. D. 76B, 687 Kato, Y. 76B, 345
 Johnson, M. M. 76B, 419 Kaushik, S. J. 76B, 637
 Johnston, I. A. 76A, 439, 475 Kavanagh, E. J. 74B, 365
 Johnston, P. G. 75B, 685 Kawai, N. 74C, 249; 76C, 221
 Jolin, T. 76A, 265 Kawamura, R. 75C, 33; 76C,
 Jones, C. G. 76C, 283 33
 Jones, G. P. 76A, 289 Kawamura, T. 74A, 253
 Jones, H. D. 76A, 381 Kay, J. 76C, 241
 Jones, J. J. 74A, 773 Keeley, L. L. 75B, 127
 Jones, K. A. 74A, 777 Kelly, F. J. 75A, 91
 Jones, T. H. 75B, 15, 237 Kelly, M. J. 75C, 217
 Jonsson, A-C. 75B, 625; 75C, Keogh, E. J. 76C, 75
 39, 43 Kerkut, G. A. 74A, 1, 739;
 Jooste, C. 75A, 441 74C, 425; 76A, 1
 Jørgensen, C. B. 75A, 5 Kerner, J. 75B, 311
 Jørgensen, E. 76C, 199 Kesbeke, F. 75B, 635; 76A,
 Jouanneteau, J. 74B, 325 295
 Juel, C. 76C, 203 Khan, A. S. 76B, 569
 Julshamn, K. 75A, 9, 13, 17 Khan, R. A. 75C, 93
 Jurisic, M. 76A, 831 Khrapunov, S. N. 74B, 343,
 Jurss, K. 75B, 713 819
 Kibe, K. 74A, 95
 Kadle, R. 76A, 773 Kiceniuk, J. W. 75C, 93;
 Kadura, S. N. 74B, 343, 819 76C, 247
 Kaim-Malka, R. A. 74B, 433 Kikuchi, T. 74C, 393
 Kaldy, M. S. 74B, 231; 75B, Kilgore, D. L. Jr. 74A, 693
 399 Kim, J-S. 74B, 295; 76B, 523 Kramarova, L. I. 74C, 31
 Kalinovskaya, N. I. 74B, 597; Kimura, S. 74B, 525; 75B, 681 Kramer, K. J. 74B, 515,
 76B, 167 Kingan, T. 74C, 75 769; 76B, 291
 Kalir, A. 74C, 323 Kingsley, R. J. 76B, 443 Kremer, J-P. 76B, 703
 Kamau, J. M. Z. 74A, 319 Kirby, A. C. 74A, 705 Kriebel, M. E. 75C, 285
 Kamura, M. 76C, 305 Kirkwood, J. K. 75A, 1 Krieg, P. 75B, 513
 Kandler, R. L. 75B, 499 Kitahara, T. 76B, 97 Kriesten, K. 76A, 63
 Kang, S-H. 75B, 435 Kitajima, M. 76A, 283 Krogdahl, A. 74B, 403
 Kapadia, C. R. 76B, 117 Kito, R. 76B, 679 Kruitwagen, E. C. J. 75B,
 Kaplan, H. A. 74A, 813 Kivivuori, L. 75A, 375 171
 Kaplanski, J. 74A, 649 Klein, R. A. 74B, 277 Kruk, I. 74C, 143

Kryvi, H. 76A, 465 Laurent, P. 76A, 525 Livingstone, D. R. 74B, 691
 Krzynowek, J. 74B, 289 Lauro, M. G. 74C, 23 Lizarbe, M. A. 76B, 249
 Ku, B. S. 75C, 103; 76C, 99, 291 Lavallard, R. 76A, 167 Ljungman, T. N. 76A, 51
 Kubota, K. 75C, 21 Lavigne, D. M. 74A, 923 Llopis, J. 75A, 615
 Kudo, Y. 76C, 231 Laxmyr, L. 75C, 259 Lloyd, D. 74B, 357, 567
 Kuenzel, W. J. 74A, 343; 76C, 371 Lazarovici, P. 74A, 525 Lock, R. A. C. 76C, 259
 Kugler, W. 75A, 379 Leatherland, J. F. 76A, 37 Lockshin, R. A. 74B, 667
 Kull, F. J. 75B, 545 Leclercq, B. 75B, 641 Lohr, R. R. 74C, 413
 Kumaraguru, A. K. 75C, 247 Lee, C. M. 75B, 505 Lombard, R. E. 74A, 555
 Kuriyama, K. 76B, 29 Leffert, H. L. 75B, 373 Lombart, C. 74A, 745
 Kusiak, J. W. 76C, 371 Lemay, J. P. 74B, 529 Loncar-Stevanovic, H. 75C, 217
 Kustin, K. 75A, 211 Lemercerre, C. 75A, 293 Long, W. J. Jr. 74B, 283
 Kustrzeba-Wojcicka, I. 75B, 693 Lenhardt, M. L. 76A, 225 Loo, S. Y. 75C, 337
 Kuvshinoff, B. W. 75C, 131 Lensky, Y. 75B, 607 Loong, K. P. 76B, 611
 Kuwabara, K. 74A, 909 Leon, B. 74A, 399 Lopez, F. 74B, 637
 Kuz'mina, V. V. 76B, 627 Leon, O. 75B, 603 Lopez, I. 74A, 267; 76A, 831
 Kuznetsova, T. A. 74B, 597; 76B, 167 Lequellec, Y. 74B, 273 Lopez, M. A. 74A, 67; 75A, 87
 Kvale, I. 75C, 77 LeRay, C. 74A, 175 Lopes-Cardozo, M. 75B, 557
 Labos, E. 76A, 817, 825 Lerner, J. 74A, 881 Levi, H. 75A, 51
 Labruyee, W. T. 75B, 523 Lesicki, A. 74A, 463 Loretz, C. A. 75A, 205
 Lacanienta, E. 74C, 219 Lefevre, C. 75B, 355 Losch, H. 76C, 85
 Lachiver, F. 75A, 273 Lewendon, A. 74C, 89 Losch, K. 76C, 85
 Lacrampe, S. 75B, 475 Lewis, J. H. 75A, 147 Loughlin, G. M. 74A, 701
 Lad, P. J. 75B, 373 Ley, H. L. 74B, 507 Louisot, P. 76B, 755
 Lafontan, M. 74C, 41 Leyko, W. 75C, 383 Love, G. 75A, 111
 Lagerstrand, G. 76A, 601 Liaaen-Jensen, S. 76B, 599 Loveridge, J. P. 74A, 643
 Lai, P.-S. 75A, 57 Lied, E. 74B, 389; 76B, 777 Lukowiak, K. 75C, 295
 Laitinen, M. 76C, 265 Lima, A. A. B. 76A, 123 Luly, P. 75B, 645
 Laming, P. R. 76A, 71, 247 Lima, J. E. 75A, 635 Lunadei, M. 74A, 545
 Lance, V. 75B, 563; 76B, 831 Lin, S. 75C, 231 Lund, B. 74B, 389; 76B, 777
 Lankhorst, A. 75A, 517 Lindstrom, L. 76A, 413 Lundblad, G. 76B, 277
 Lanzrein, B. 76B, 65 Lines, S. G. 76A, 345 Lyerla, T. A. 76B, 497
 Lapin, B. A. 74B, 825 Lingren, S. 75C, 281 Lyon, R. 74C, 51
 Larsen, C. 74C, 383 Linscheer, W. G. 76C, 9 McBee, R. H. 74A, 29
 Larson, O. R. 75A, 593 Lipp, H. P. 76A, 743 McBroom, M. J. 75A, 529
 Lassalle, B. 76C, 237 Little, G. H. 76B, 503
 Laszlo, V. 75A, 457 Little, R. G. II. 74C, 271

McCarter, J. A. 74C, 133
McCarthy, D. 75A, 363
McFarlane, J. E. 74A, 387
McKay, R. J. 75A, 369
McKean, L. P. 75A, 391
McKenzie, H. A. 74B, 259
McLaughlin, G. L. 76B, 143
McLean, R. M. 76B, 41, 489
McLeod, G. C. 75A, 211
McLoughlin, J. 76B, 881
McMurchie, E. J. 74A, 295; 75B, 47
McNamara, J. C. 74A, 57
McSweeney, C. S. 75C, 361
McVean, A. R. 75A, 363
McWilliams, P. G. 74A, 107
Maa, W. C. J. 74C, 451, 461
Macari, M. 74A, 549; 74B, 743
Mackay, W. C. 76C, 95
MacKellar, A. 76C, 75
Mackie, A. M. 75A, 471
Mackness, M. I. 74C, 65
Maemura, S. 76C, 45
Magal, E. 74A, 659; 75A, 47
Magnuson, N. S. 75B, 113
Mai, M. S. 74B, 515, 769
Makarewicz, W. 74B, 851
Maki, Y. 74A, 577
Male, K. B. 76B, 823
Mallery, C. H. 74A, 889
Maloiy, G. M. O. 74A, 319; 75A, 653; 76A, 217, 319
Mangum, C. P. 74A, 45; 76A, 253
Mann, N. J. 76A, 305
Mann, S. P. 74C, 267
Manning, A. C. C. 74A, 51, 639
Mantel, P. 75C, 145, 153, 351
Mao, S-h. 74A, 869
Marcum, J. A. 75B, 389
Marcus, E. 75A, 441
Marder, J. 74A, 125, 149, 449; Medina, H. 74C, 159
75A, 97, 425, 433, 603
Marek, M. 75B, 513
Margotta, V. 74C, 23
Marino, A. 74B, 499
Marinotti, O. 76B, 861
Marmaras, V. J. 74B, 425
Marquis, J. K. 74C, 119
Marsh, D. J. 76B, 185
Martin, A. 75C, 179
Martin, A. D. 76C, 15
Martin, M. M. 75A, 313
Martin, S. M. 74C, 1
Martinez, P. 74B, 611
Martini, F. 76B, 483
Martins, I. S. S. 74A, 755
Masler, E. P. 75B, 435
Mason, M. 76C, 215
Mason, R. T. 74A, 569
Massagli, C. 75A, 157
Massion, D. D. 74A, 101
Massoud, 74A, 513
Mast, F. 76A, 143
Mateo, M. C. M. 74B, 643
Mathews, R. W. 74B, 735
Mat Jais, A. M. 74C, 425
Matsui, A. 75A, 503
Matsui, Y. 75A, 503
Matsuka, M. 74B, 521
Matsumoto, J. J. 75B, 23, 409
Matsuno, T. 75B, 655
Matsuoka, N. 74B, 385; 76B, 811
Matsushita, S. 76B, 465
Matsuura, M. 76C, 305
Matsuura, M. S. A. 76B, 915
Matthew, K. K. 74A, 885; 75A, 249
Matsuura, M. 76B, 475
Mattisson, A. 76A, 601
Mayer-Gostan, N. 75A, 541
Medeiros, M. G. L. 76B, 433
Marcus, E. 75A, 441
Medrano, S. 76C, 313
Megan, M. B. 75B, 211
Meghji, P. 76C, 255, 319
Megias, A. 74B, 411
Megias, M. V. 75A, 615
Mehler, L. 74B, 331, 337
Meirelles, N. C. 76A, 123
Melendez, C. 74B, 709
Mellon, F. A. 76B, 839
Menahan, L. A. 74B, 859
Merat, P. 74A, 933
Merrill, J. C. 75C, 395
Meschini, E. 76A, 673
Meyer, M. 74B, 825
Micelli, S. 75A, 157
Midttun, B. 76A, 471
Migler, R. 75B, 277
Mikalsen, A. 75C, 47, 77
Milanovic, M. 76A, 157
Milhaud, G. 76A, 377
Milic, B. 75B, 699
Miller, P. G. F. 74B, 277
Miller, T. G. 76C, 95
Milone, M. 76A, 31
Milton, K. 74A, 29
Minale, L. 76B, 839
Miras, F. 75C, 179
Mishaga, R. J. 74A, 605
Mishchenko, T. Ya. 74C, 85
Mitchell, A. I. 75A, 471
Mitchell, M. A. 74A, 961
Mitsutani, C. Y. 74A, 755
Miura, S. 75B, 227
Miwa, A. 74C, 249
Miyamoto, M. M. 76B, 475
Mizrahi, R. 74A, 945
Mochizuki, Y. 74B, 299
Moens, L. 76B, 731

Moffett, D. F. 75C, 305 Murakami, H. 75C, 227 Nixon III, B. F. 75B, 659
 Mohamed, M. I. 75C, 357; 76C, 127 Murakami, K. 75B, 233 Noland, T. A. Jr. 74B, 715
 Moldenke, A. F. 74C, 365 Murat, J.-C. 74A, 179 Nordlie, F. G. 76A, 335
 Möllgard, K. 76A, 241 Musquera, S. 74A, 745 Norum, K. R. 74B, 243
 Montgomery, J. C. 75A, 363 Myklebust, R. 76A, 465 Novak, M. 74B, 303
 Montellano, M. A. 75A, 615 Nader, H. B. 76B, 433, 695 Nunez, J. 75C, 179
 Moran, A. 75B, 603 Nahrstedt, A. 75B, 65 Nuzhy, S. 74A, 137
 Mordue, W. 75B, 75 Nair, G. 76A, 271 Nwoga, J. 74C, 177; 75A, 243
 Moreau, R. 74B, 273 Nakamura, H. 74B, 381 Obinata, T. 76B, 437
 Moreira, G. S. 74A, 57 Nakamura, O. 76B, 139 O'Brien, B. D. 75A, 221
 Moreira, P. S. 74A, 57 Nakamura, T. 74A, 195 Ocampos, D. 75B, 141;
 Morello, A. 76B, 61 Nakano, M. 74B, 781 75C, 267
 Morgan, D. N. 75C, 199 Nakatsuka, H. 75A, 21 Ochoa, E. L. M. 76C, 313
 Morgan, P. J. 75B, 75 Nakayama, C. 74B, 719 Ochsenbein-Gattlen, C.
 Morgan, P. P. 76B, 721 Nakayama, T. 74A, 577 74A, 211
 Morgan, R. P. 76C, 227 Naon, R. 75A, 541 Ockleford, E. M. 75A, 139
 Mori, M. 75B, 227 Nassar, C. F. 76A, 153 O'Dea, J. D. 75B, 195
 Mori, N. 76B, 679 Nassel, D. R. 75C, 259 Ofosu-Barko, J. 75C, 57
 Morris, J. L. 76C, 339 Neldon, H. L. 74A, 83 O'Gara, B. A. 75A, 579
 Morris, J. M. 74A, 21 Nemcsok, J. 75C, 167 Ogasawara, N. 76B, 471
 Morris, R. J. 75A, 525 Nenadovic, V. 74A, 131 Ogo, S. H. 76B, 915
 Mosnaim, A. D. 76C, 215 Nesheim, M. C. 76B, 429 Oguro, C. 74A, 577
 Moukhtar, M. S. 76A, 377 Neuman, M. G. 74C, 469 Ohara, S. 76B, 5
 Mouray, H. 75B, 701 New, H. 76A, 241 Ohizumi, Y. 74B, 381
 Mourik, J. 76B, 851 Newton, P. B. 74B, 553 Ohkusa, M. 76A, 233
 Mousa, H. M. 74A, 715 Ng Kwai Hang, K. F. 75A, 163 Ohnishi, K.-I. 76B, 811
 Muchlinski, A. E. 74C, 185 Nibbio, B. 74A, 671 Oikari, A. 75C, 281;
 Mugiya, Y. 74A, 259 Nicholas, T. E. 74A, 467 76C, 365
 Muller, E. F. 74A, 319 Nichols, P. D. 75B, 617 Oka, K.-I. 76B, 811
 Muller, V. J. 74B, 259 Niekrash, R. E. 76B, 489 Okada, S. 76B, 327
 Muller, W. E. G. 76B, 763, 769 Nielsen, A. 75A, 51 Okada, Y. 76A, 233
 Mullins, D. E. 75B, 293 Nieminen, M. 76C, 265 Okazaki, T. 74B, 533
 Muneoka, Y. 76C, 305 Nikai, T. 76B, 679 Okotore, R. O. 76B, 479
 Municio, A. M. 74B, 411, 417; 76B, 249, 643 Nilsson, S. 74C, 319; 75C, 39, 43; 76A, 525; 76C, 271 Okutsu, M. 75C, 329
 Munoz, P. 74B, 433 Nimmo, I. A. 74C, 89 Oldfield, M. 76B, 881
 Munoz-Martinez, E. 75A, 609 Nimmo, M. A. 74A, 955 Oliver, J. 76B, 579
 Munro, P. E. 74C, 219 Nir, I. 74A, 649 Olsson, B. 74A, 11
 Munt, B. 75A, 239 Nishii, Y. 75B, 479 Olverman, H. J. 75C, 223
 Murachi, S. 74A, 899 Nishikawa, M. 76C, 33 Nishino, C. 74A, 909
 Murakami, A. 74A, 499, 507 Nishino, T. 75B, 233

O'Mahoney, P. M. 74A, 117 Pasanen, P. 76C, 265 Petrovic, M. 76B, 227
Omnell, K-A. 74A, 829 Pasic, M. 76A, 173 Petrovic, V. M. 75B, 699
Omura, T. 76C, 45 Pass, M. A. 75C, 361 Petry, H. 75A, 379
Onaderra, M. 76B, 249 Paterson, J. W. 75C, 343 Peyraud, C. 74C, 477
Onnen, T. 74A, 833 Patience, R. L. 75C, 57; Piatkowska, M. 75C, 383
Ono, H. 76C, 231 76B, 253 Piek, T. 74C, 191; 75B,
Ooi, A. 76B, 437 Patt, C. S. 75B, 211 523; 75C, 145, 153, 351
Oren, A. 74A, 189 Pauptit, E. 76B, 79 Piekarska, K. 74B, 623
Ortega, J. 74B, 573 Paven, G. G. 75A, 141 Pierantoni, R. 76A, 31
Osborne, N. N. 75C, 171 Pax, R. A. 76C, 377 Pietkiewicz, J. 75B, 693
Osman, A. M. 74A, 275; Paxton, R. 74B, 503 Pigage, H. K. 75A, 593
75A, 563 Payet, N. 74A, 37, 247 Pilc, L. 74A, 463
Ostlund, C. 74A, 11 Payne, B. S. 74A, 491 Pilecka, T. 74B, 623
Oudejans, R. C. H. M. 74B, Payne, J. F. 75C, 93, 121 Pilo, B. 74A, 601
351, 587; 76B, 591 Pearson, A. W. 76C, 67 Pinto, A. 76C, 209
Overal, W. L. 75B, 15 Peczely, P. 75A, 467 Pinto, R. M. 75B, 221
Owen, A. J. 76B, 619 Peggs, D. 76A, 381 Piomelli, D. 74C, 139;
Ozols, A. 74A, 761 Pen, J. 76B, 585 76C, 209
Padgaonkar, V. A. 74C, 387 Pennec, J. P. 74C, 477 Pitha, J. 76C, 371
Pages, T. 74A, 289 Pennell, L. 76B, 615 Pizza, C. 76B, 839
Paiva, J. F. 76B, 433, 695 Penrose, W. R. 76C, 247 Planas, J. 74A, 289, 849
Paiva, V. M. P. 76B, 433, Penteado, C. H. S. 74A, 749 Plavnik, I. 75A, 175
695 Pepys, M. B. 74B, 453 Plaxton, W. C. 76B, 321
Palau, J. 74B, 611 Pereira, S. O. 76B, 861 Plisetskaya, E. 74A, 179
Palavinskas, R. 76A, 63 Peres, C. A. 74A, 755 Poat, J. A. 74C, 437
Palladini, G. 74C, 23, 27 Peres, G. 74B, 325; 75C, 383 Pochon-Masson, J. 75A,
Palmer, R. A. 74A, 239 Periyasamy, S. M. 76B, 449 141
Palomeque, J. 74A, 849 Pernas, R. V. 75B, 689 Pocidalo, J.-J. 74B, 831
Palou, A. 75A, 597 Pero, R. W. 74A, 11 Pocrnjic, Z. 74B, 735
Palou, A. 75B, 137 Perramon, A. 74A, 933; 75A, Pohl, H. 76B, 723
Pang, P. K. T. 74C, 99 293 Polidori, G. 76B, 207
Pantelic, D. 76B, 227 Perret, G. 76A, 393 Pollero, R. J. 76B, 927
Panyim, S. 74B, 481 Perry, A. S. 75C, 51 Pons, A. 75B, 137
Papadimitriou, J. M. 75C, Perry, R. 75B, 317 Pons, G. 76B, 789
343 Perrymann, L. E. 75B, 113 Pope, G. J. 74B, 755
Paparo, A. A. 74A, 587 Pesce, V-H. D. 74A, 923 Popek, W. 75C, 193
Papi, F. 76A, 673, 733 Pessah, I. N. 74C, 281, 291 Popov, A. M. 76B, 167
Park, Y-Ho. 75B, 681 Pessoa, R. G. 74A, 951 Portemer, C. 75A, 141
Park, Y. S. 76A, 55 Peters, R. C. 76A, 143 Portet, R. 74A, 855
Parmentier, J. L. 75A, 193 Petersen, D. R. 74C, 271 Portman, J. M. 76B, 309
Parry, D. L. 76B, 555, 559 Petersen, I. M. 74B, 459 Portugal, T. R. 76B, 15
Part, P. 76C, 259 Pethes, G. 75A, 467 Potter, I. C. 74A, 623;
 Petronijevic, T. 76A, 289 75A, 369; 75B, 31

Poupa, O. 76A, 413, 559, 567, 583, 601, 635

Prahlad, K. V. 76A, 357

Pre, J. 76A, 393

Prensier, G. 75B, 347

Price, D. A. 75C, 373

Price, N. R. 74C, 65; 76C, 277

Prichard, J. W. 74C, 211

Priede, I. G. 76A, 515

Principato, G. B. 75C, 185

Prins, R. A. 75A, 517

Propp, L. N. 75B, 707

Propp, M. V. 75B, 707

Prusch, R. D. 75C, 17; 76A, 753

Pryor, L. R. 74A, 83

Przytulski, T. 75B, 323

Puerta, M. L. 74C, 111

Puffer, H. W. 74A, 977

Punzo, F. 74A, 981; 75A, 299, 647; 75C, 399

Purvis, J. M. 75B, 199

Quackenbush, L. S. 76A, 259

Qwarnstrom, E. 74A, 829

Raa, J. 75A, 337

Racek, P. 76B, 161

Radley, T. 74C, 437

Radojcic, C. 76B, 227

Radojicic, R. 75B, 699

Radouca-Thomas, S. 75B, 205

Raffin, J. P. 74A, 175; 75B, 461, 465

Raheja, K. L. 76C, 9

Rahmann, H. 76A, 85

Rakover, Y. 75B, 607

Ram, J. L. 74C, 387

Ramage, P. I. N. 74C, 89

Ramirez, D. 76A, 817, 825

Ramji, B. D. 76B, 875

Ramos-Carvajal, J. 74A, 711

Ramos-Martinez, J. I. 75B, 689

Rappaport, S. 74B, 735

Rastogi, R. K. 76A, 31

Rauch, J. C. 74A, 363

Ravestein, H. J. L. 75B, 171

Razanamaniraka, I. 74A, 855

Reedy, P. R. 75B, 495

Reichelderfer, C. F. 74B, 553

Reierson, D. A. 74A, 357

Reinking, L. N. 74A, 873

Reite, O. B. 74A, 315

Reiter, R. J. 76A, 199

Relano, E. 76B, 249

Rembold, H. 76B, 703

Remesar, X. 75A, 597

Remesy, C. 74A, 839

Repetto, Y. 76B, 61

Richardson, B. J. 75B, 359

Ricklefs, R. E. 74A, 885; 75A, 307

Ribeiro, L. P. 75B, 147

Ribera-Canudas, M. V. 74A, 327

Riccio, R. 76B, 839

Richardson, B. A. 76A, 199

Ridout, P. S. 75A, 525

Riera, M. 74A, 849

Riesenfeld, G. 75A, 175

Rinderer, T. E. 75B, 237

Ringer, R. K. 74A, 369

Rinzky, A. 75C, 51

Ritter, K. S. 76B, 127

Roberts, C. J. 74C, 437

Roberts, J. 75B, 445

Roberts, L. S. 74B, 399

Robinson, E. S. 75B, 685

Robinson, G. D. 74A, 927; 75A, 65

Robson, L. 76B, 335

Roby, D. D. 75A, 307

Roch, M. 74C, 133

Roche, H. 74B, 325

Rode, B. M. 74A, 165

Rodgers, B. J. 74B, 749

Rodriguez, J. 75A, 57

Rogers, W. P. 76A, 289

Rojo, S. 74B, 579

Rokosu, A. A. 74B, 441

Romero-Herrera, A. E. 76B, 373

Roque, S. 76A, 831

Rosa, C. D. 74B, 141; 75C, 267

Rosa, J. 75A, 81

Rosa, R. 75B, 141; 75C, 267

Rosenlund, G. 74B, 389; 76B, 777

Rosenmann, M. 76A, 109

Rosi, G. 75C, 185

Rosinski, G. 74A, 463

Rothwell, N. J. 75A, 461

Rounds, H. D. 74C, 373; 75C, 115

Rountree, R. L. 76A, 301

Rowlands, D. G. 74C, 65

Rozhanets, V. V. 74C, 31

Rozsa, K. 76C, 327

Ruano-Gill, D. 74A, 327

Rubio, J. 74B, 573

Ruiz, G. 76A, 109

Ruiz-Amil, M. 74B, 795; 801

Rumsey, G. L. 76B, 429

Russell, C. S. 75A, 57

Russell, G. R. 75B, 47

Russell-Hunter, W. D. 74A, 491

Rust, M. K. 74A, 357

Rutherford, K. D. 75B, 545

Ryabushko, V. I. 75B, 707

Ryg, M. 74A, 33

Saadoun, A. 75B, 641 Schaeffer, L. D. 74A, 977 Sevaljevic, L. 76B, 227
Saborido, A. 74B, 411 Schams, D. 76A, 37 Shaaya, E. 74A, 525
Sage, H. 74B, 373 Schara, M. 74B, 633 Shabana, M. B. 76C, 163,
Saggesson, E. D. 74C, 409 Schiefer, H. B. 74C, 167 173
Saha, N. 75B, 189 Schiller, C. M. 76C, 383 Shapira, D. 74A, 525
Saicic, Z. 75B, 699 Schindelmeiser, I. 75B, 471 Sharman, D. F. 74C, 267;
Saimi, Y. 74A, 499, 507 Schindelmeiser, J. 75B, 471 75C, 217, 223
Saintsing, D. G. 76C, 285 Schlaeger, D. A. 75B, 435 Sharp, G. D. 76A, 405
Saitoh, K. 74B, 385 Schlichter, D. 74A, 721 Sharpe, T. 75B, 93
Sakaguchi, M. 75A, 343 Schmidt, J. O. 75B, 15 Shechmeister, I. L. 76B,
Sakaguchi, Y. 75B, 409 Schofield, P. J. 76B, 869 113
Sakai-Suzuki, J. 75B, 409 Schonier, W. 75B, 341 Sheets, W. C. P. 74A, 903
Sakata, T. 74A, 459 Schoonen, W. G. E. J. 74B,
Sakharov, D. A. 76C, 327 351 Sheridan, M. A. 74B, 251
Sala, M. 75B, 259 Schrader, D. K. 75B, 119 Sherman, N. O. 74C, 95
Salanki, J. 75C, 387; 76C,
327 Schrader, W. P. 75B, 119 Sheshukova, T. 74A, 761
Saliban, A. 76C, 157 Schraer, R. 74B, 295; 75B,
81; 76B, 523 Shimizu, M. 75B, 287
Salminen, A. 76B, 93, 341 Schrag, J. D. 74A, 381 Shinagawa, A. 74C, 393
Sambor, D. 76A, 55 Schryver, H. F. 74A, 375 Shiomi, K. 74C, 393
Samuel, A. P. W. 75B, 189 Schulten, H-R. 76A, 63 Shirai, T. 74B, 685
Sanchez, J. L. 74B, 807 Schultz, J. 75B, 425 Shkolnik, A. 74A, 399
Sanchez, R. 74B, 573 Schulz, T. K. F. 75B, 365 Shkolnik, T. 74A, 399
Sanchez-Muniz, F. J. 75A,
609 Schumm, D. E. 75B, 665 Shoemaker, W. J. 75B, 373
Sand, O. 74B, 459 Schwantes, A. R. 74B, 315 Shoji, Y. 75A, 21
Saneyoshi, M. 74B, 719 Schwartz, K. 76B, 649 Shulkes, A. 76C, 345
Santer, R. M. 76A, 453 Schwantes, M. L. B. 74B,
315 Shumway, S. E. 74A, 57
Sargent, J. R. 74C, 325 Scott, R. I. 74B, 567 Sica, D. 74B, 499
Sarjan, R. 76B, 611 Self, R. 76B, 839 Sidell, B. D. 76A, 495
Sasaki, M. 76A, 233 Selim, M. F. 75C, 357;
Sasayama, Y. 74A, 577 76C, 127 Sidis, I. 75C, 377
Satake, M. 76C, 25 Selivonchick, D. P. 76B,
Sato, T. 75A, 131; 76A, 233, 107 Sellers, C. M. Jr. 74B,
777 283 Siefker, C. 76C, 377
Satoh, T. 75B, 655; 75C, 227 Semm, P. 76A, 683 Siegelman, H. W. 76B, 599
Satterlee, J. D. 75B, 499 Sentjurc, M. 74B, 633 Sikorowski, P. P. 74C, 255
Sauber, C. 74B, 633 Serafin, J. A. 74A, 221 Silio, F. 76C, 335
Saunders, N. R. 76A, 241 Serrazanetti, G. P. 74C,
Savage, J. P. 75A, 65 331 Sillero, A. 75B, 221
Savage, N. 76B, 783 Servillo, L. 76A, 481 Sillero, M. A. G. 75B, 221
Savina, M. V. 75B, 531 Seuβ, J. 75A, 557 Silveira, J. E. N. 75A, 631
Scapin, S. 75B, 645

Simpson, A. P. 76A, 807
 Simkiss, K. 74C, 51
 Simon, S. A. 75A, 193
 Singer, A. L. 74A, 977
 Sinha, R. C. 74A, 311
 Sinna, G. A. 74C, 433
 Skibba, J. L. 75A, 391
 Skorkowski, E. F. 74B, 627
 Sleet, R. B. 76A, 791
 Slettengren, K. 76B, 277
 Slinger, S. J. 76B, 349
 Slomianny, C. 75B, 347
 Smagula, R. M. 74A, 881
 Smart-Nixon, S. 75B, 665
 Smeets, A. J. M. 74A, 455
 Smet, J. 75A, 261
 Smith, A. C. 75B, 405
 Smith, C. J. 75C, 305
 Smith, C. M. 76B, 419
 Smith, J. R. 76C, 391
 Smith, M. W. 75A, 325
 Smith, R. C. 75B, 495
 Smith, R. E. 76B, 721
 Snoswell, A. M. 76B, 295
 Snow, D. H. 74A, 955
 Sobocinski, K. A. 74B, 859
 Soderhall, K. 74B, 221; 76B, 699
 Sod-Moriah, U. A. 74A, 649, 967; 75A, 47
 Sohnle, P. G. 74A, 71
 Soivio, A. 75C, 281
 Sokolove, P. G. 74C, 281, 291
 Solbe, J. F. de L. G. 76C, 241
 Sole-Cava, A. M. 75B, 355
 Soler, G. 74B, 795, 801
 Soliman, S. 74C, 397; 76C, 181
 Somero, G. N. 76A, 621
 Somerville, C. P. 76C, 75
 Sørensen, P. G. 75B, 153
 Southwick, E. E. 75A, 641
 Souza, A. M. F. 74A, 951
 Span, A. 74A, 211
 Spanjer, W. 75B, 523; 75C, 317
 75C, 351
 Spasic, M. 75B, 699
 Spear, H. G. 74A, 861
 Spence, I. 74C, 125
 Spence, K. D. 75A, 233
 Spencer, A. N. 74C, 1
 Spero, J. A. 75A, 147
 Spiers, D. E. 74A, 369
 Spychalá, J. 74B, 851
 Stanic, V. 74A, 131
 Stankiewicz, A. 74B, 851
 Stanley, P. I. 76C, 15
 Starck, J. 75B, 575
 Stark, J. R. 76B, 173
 Starratt, A. N. 74C, 69
 Stauffer, J. R. Jr. 76B, 721
 Steele, R. W. 74C, 69
 Stefano, G. B. 74C, 59; 75C, 387
 Stein, C. 74C, 79
 Stein, E. A. 76B, 197
 Stephanou, G. 74B, 425
 Stephens, D. 76C, 345
 Stephens, R. M. 74B, 837
 Sterry, P. R. 76B, 253
 Stevens, E. D. 74A, 391
 Stewart, M. E. 76B, 673
 Stock, M. J. 75A, 461
 Stojanovic, R. 76B, 227
 Storey, K. B. 76B, 133, 321, 823
 Strand, M. R. 74B, 759
 Stratil, A. 74B, 603; 76B, 845
 Strauss, J. S. 76B, 673
 Studier, E. H. 74A, 199; 75A, 509
 Stupfel, M. 74A, 933; 75A, 293
 Sugihara, H. 76B, 679
 Sukumar, R. 74C, 201; 75C, 33
 Sullivan, B. 76B, 615
 Sumida, M. 75B, 595; 76B, 23
 Suso-Vergara, S. 74A, 327
 Sutton, J. D. 76A, 217
 Suzuki, K. T. 74C, 311; 75C, 21, 33, 211; 76C, 33
 Suzuki, M. 75B, 5, 195
 Suzuki, S. 74B, 533
 Suzuki, T. 75B, 17, 195, 445, 567
 Swade, R. H. 76A, 183
 Swain, R. 75C, 275
 Swennen, C. 76B, 79
 Swift, D. J. 76A, 795
 Swift, M. C. 76C, 227
 Swift, M. L. 76B, 123
 Swinehart, J. H. 76B, 555,
 Taha, H. M. 74A, 143, 435
 Takagi, T. 75B, 567
 Takahashi, J. 76B, 1
 Takahashi, K. 74A, 499, 507, 579
 Takahashi, T. 76B, 811
 Takahashi, Y. I. 75B, 301
 Takano, K. 76A, 135
 Takano-Ohmuro, H. 76B, 437
 Takeuchi, H. 75C, 103, 329; 76C, 99, 291
 Takiguchi, M. 75B, 227
 Takiya, S. 74B, 719
 Talbot, C. 75C, 1
 Tamiya, T. 75B, 23
 Tan, C. H. 74B, 791, 793
 Tanabe, Y. 74A, 195
 Tanaka, H. 75B, 681
 Tanaka, K. R. 76C, 113
 Tanaka, Y. 74C, 311; 75C, 33

Tanios, N. I. 75A, 563
Tashiro, J. S. 74A, 491
Tatibana, M. 75B, 227
Tatsuno, T. 74C, 249
Tauler, A. 76B, 789
Tavani, D. M. 76B, 127
Taylor, J. L. 74C, 55
Taylor, M. 74B, 653; 74C, 51
Teigland, M. 75B, 703
Tejero, C. 74B, 801
Teller, J. K. 74A, 463; 74B, 815
Temple, S. A. 76B, 907
Terpstra, A. H. M. 76B, 737
Terriere, L. C. 74C, 365, 451, 461
Terris, J. M. 76B, 535
Terwilliger, N. B. 74A, 45; 76A, 253
Terwilliger, R. C. 74A, 45; 76A, 253
Tetaert, D. 76B, 263
Teubner, J. K. 74A, 295
Thabrew, M. I. 74C, 473
Thebault, M. T. 75C, 369
Theophilidis, G. 75A, 285
Thiemann, A. 74A, 307
Thierry, H. 74A, 933; 75A, 293
Thillet, J. 75A, 81
Thomas, D. G. 76C, 241
Thomas, J. D. 75C, 57; 76B, 253
Thompson, A. C. 74C, 255
Thompson, J. 74B, 307
Thompson, S. N. 74B, 183; 75B, 489
Thompson, T. E. 74A, 615
Thomson, A. B. R. 75A, 221
Threader, R. W. 75A, 153
Tiedtke, A. 75B, 239
Tillinghast, E. K. 74B, 365
Titmus, M. 74C, 75
Tomasek, V. 74B, 603; 76B, 845
Tominaga, H. 75A, 503
Toro, M. J. 76B, 643
Toto, B. 74C, 139; 76A, 401, 423, 475
Townsel, J. G. 74C, 201; 75C, 317
Trachtman, M. S. 74A, 671
Treacy, G. B. 74B, 259
Tremblay, R. R. 74B, 529
Truscott, B. 75C, 121
Tse, H. G. 74C, 159
Tserendendev, J. 76B, 185
Tsuchima, K. 75B, 233
Tsuda, T. 75A, 21
Tsuruoka, M. 75A, 503
Tu, A. T. 76B, 377, 679
Tucker, K. W. 75B, 237
Tullett, S. G. 75A, 167
Tungpradabkul, S. 74B, 481
Twente, J. W. 74A, 817, 823
Twining, S. S. 75B, 103, 109
Uchida, K. 75A, 535
Uchiyama, M. 74C, 99
Uematsu, K. 74A, 899
Uesugi, H. 74A, 899
Ufkes, J. G. R. 75C, 145
Ugol, L. M. 74C, 349
Ugolev, A. M. 76B, 627
Umebach, Y. 75B, 571
Umemura, S. 75B, 233
Umezurike, G. M. 74B, 493; 75B, 263
Umminger, B. L. 74B, 503
Ungell, A-L. 74C, 319
Unitt, M. D. 74B, 567
Urbano, G. 75A, 615
Urena, G. 74C, 35
Ursin, G. 75A, 51
Uruena, G. 76B, 393
Usuki, I. 75B, 415, 421
Valenta, M. 74B, 603; 76B, 845
van Beek, E. 74A, 521; 75B, 9
Van Beeumen, J. J. 76B, 179
Van Berge-Henegouwen, M. 76A, 295
Van den Thillart, G. 76A, 295
Van der Plas, A. J. 76B, 591
van der Sluis, I. 74B, 587
van der Westhuyzen, J. 75B, 441; 76B, 881
Vandewalle, P. 76B, 283
Vanecek, J. 74A, 155
Vanfleteren, J. R. 76B, 179
Van Gelderen, J. 76B, 207
van Hauwaert, M.-L. 76B, 731
Van Herrewege, J. 74A, 283
van Hoven, W. 75A, 517
van Marle, J. 74C, 191; 76C, 193
van Pachtenbeke, M. 76B, 731
van Waarde, A. 74B, 675; 75B, 255, 635
van Weeren-Kramer, J. 74C, 191; 76C, 193
Varela, G. 75A, 609
Varriale, B. 76A, 31
Veenhof, P. R. 75B, 171
Vehovszky, A. 75C, 387
Veiga, J. A. S. 74C, 409
Veiga, L. A. 74B, 781

Veldsema-Currie, R. D. 75C, 153, 351

Veloso, A. 76A, 109

Venturini, G. 74C, 23, 27

Vera, M. I. 75B, 475

Versavel, C. 75B, 701

Verwoerd, T. C. 75B, 1

Vieira, M. M. 74B, 781

Vihko, V. 76B, 93, 341

Vince, M. A. 75A, 139

Vinogradov, S. N. 76B, 207

Vinson, S. B. 74B, 759

Vislie, T. 76A, 507

Visser, B. J. 75B, 523

Vlckova, V. 76B, 161

Vodicnik, M. J. 74C, 55

Vokler, Th. 75B, 713

Volkmann, R. 76A, 567, 593

Voloshin, K. 76B, 117

von der Decken, A. 74B, 213, 389; 76B, 777

von Engelhardt, W. 74A, 459; 75A, 517

Vonwyl, E. 74B, 725; 76B, 17

Voogt, P. A. 74B, 351, 587; 74C, 419; 76B, 591

Vooren, C. M. 75B, 355

Vranckx, R. 76A, 95, 103

Vuillaume, M. 76B, 153

Vullings, H. G. B. 74A, 455

Wachtler, K. 74C, 481

Wack, M. 74B, 399

Wacke, R. 75B, 713

Wagner, G. 76A, 691

Walcott, C. 76A, 665

Walden, R. 76C, 383

Waldrup, T. 75A, 635

Walker, B. L. 76B, 349

Walker, C. H. 74C, 65; 76C, 15

Walker, M. G. 76A, 453

Walker, R. J. 74C, 425, 437; 75C, 171

Walker, R. S. 76B, 173

Wallin, M. 75B, 625

Wallraff, H. G. 76A, 643, 733

Walsh, A. W. 76B, 221

Walsh, J. M. 75C, 121

Walton, D. G. 76C, 247

Warashina, A. 76C, 25

Warburg, M. R. 75A, 447, 619

Warr, G. W. 76B, 507, 515

Warton, A. 75C, 343; 76C, 75

Warwick, B. P. 75A, 461

Wasylissen, R. E. 74B, 303

Watabe, N. 76B, 443

Watanabe, E. 74B, 533

Waterman, M. R. 75A, 635

Watson, R. G. K. 76B, 549

Watt, D. D. 75A, 413

Watts, S. D. M. 76B, 899

Webb, R. A. 76C, 113

Webb, T. E. 75B, 665

Weber, L. J. 76A, 791

Weber, R. E. 75A, 475, 483

Weber, W. 76A, 279

Weech, P. K. 75B, 301

Wegelin, I. 75C, 391

Weinreich, D. 74C, 79

Weinshilboum, R. M. 75C, 85

Weinstein, W. M. 75A, 221

Weiss, A. K. 75A, 529

Welling, G. W. 76B, 585

Wells, R. M. G. 76A, 387

Wendelaar Bonga, S. E. 76B, 745

Werner, E. R. 74A, 165

Wernham, S. 75C, 295

Wernick, A. M. 74A, 749

Wertz, P. W. 75B, 217; 76B, 673

West, M. H. P. 76B, 455

Westerfield, L. 74C, 299

Westlake, G. E. 76C, 15

Whisenton, La V. R. 75B, 435

Whitaker, J. N. 74B, 445

White, A. 74B, 453

Whitford, W. G. 74A, 605

Whittier, J. 76A, 335

Whittow, G. C. 74A, 77

Wiggin, K. 74B, 289

Wicker, C. 76A, 177

Wiehle, R. D. 76B, 409

Wilairat, P. 74B, 481

Wihelm, F. D. 75A, 475,

Warwick, B. P. 75A, 461

Williams, A. G. 74B, 357

Williams, E. D. 75C, 25

Williams, H. J. 74B, 759

Williams, J. 74A, 375

Williams, U. P. 75C, 93

Willis, D. E. 74C, 173

Wilps, H. 74B, 331, 337

Wilson, D. E. 74A, 199; 75A, 509

Wilson, J. X. 74A, 351

Wiltschko, R. 76A, 701

Wiltschko, W. 76A, 709

Winell, S. 76A, 583

Winkelhake, J. L. 74C, 55; 75A, 391

Winter, P. D. O'B. 75A, 461

Wissing, T. W. 76A, 783

Wit, L. C. 74A, 817, 823

Witthames, P. R. 76A, 453

Wittig, K. P. 74B, 763

Wittliff, J. L. 76B, 409

Wittmann, J. 75A, 379

Wiygul, G. 74A, 263

Woffendin, C. 75B, 53

Wolf, G. 76B, 731

Wolf, G. H. 75A, 261

Wolf, M. E. 76C, 215

Wolna, E. 75B, 693

Wofos, A. 74B, 623
Woloski, B. M. R. N. J. 74A, 813
Wong, C. C. 74B, 739
Woo, N. Y. S. 74A, 179
Wood, A. L. 76B, 559
Wood, D. L. 76B, 143
Wood, E. J. 74B, 653; 75B, 331
Wood, R. E. 76A, 475
Woods, C. W. 76A, 367
Woodward, W. D. 74A, 923
Wright, A. 74A, 795
Wurfel, I. 74B, 337
Xue, G.-P. 76B, 295
Yagil, R. 74A, 189
Yakovleva, L. A. 74B, 825
Yamada, T. 74C, 185
Yamada, Y. 76B, 471
Yamaguchi, K. 74B, 685
Yamamori, K. 74A, 899
Yamamura, M. 75C, 21
Yamanaka, H. 74C, 393
Yamashita, S. 74A, 253
Yamauchi, K. 75B, 287
Yamawaki, H. 74B, 775
Yao, L. 75B, 43
Yarlett, N. 74B, 357
Yawetz, A. 75C, 377
Yeung, K-K. 76B, 619
Yin, F-y. 74A, 869
Yokoyama, E. 75A, 77
Yokoyama, N. 74B, 235
Yong, H. S. 75B, 43; 76B, 611
York, D. A. 76B, 309
Ysern, X. 75B, 245
Yulo, T. 75B, 425
Yuthavong, Y. 74B, 481
Yu Yukhananov, R. 74C, 31
Zagalsky, P. F. 74B, 647; 75B, 163, 169; 76B, 885
Zahn, R. K. 76B, 763, 769
Zandree, D. I. 75B, 729
Zebe, E. 74A, 833
Zecevic, D. 76A, 173
Zech, R. 76C, 85
Zhuchikhina, A. A. 75B, 707
Zigman, S. 75B, 425
Zollo, F. 76B, 839
Zombor, G. 76B, 419
Zubkoff, P. L. 74B, 539; 74C, 337
Zummo, G. 76A, 459, 475



SUBJECT INDEX

Volumes 74-76 A, B and C inclusive, 1983

2A.1, 76B, 455
2A.2, 76B, 455
2A.Z, 76B, 455
A23187, 75C, 305
(α 1)₂ α 2, 75B, 681
 β -N-Acetylhexosaminidase, 76B, 277
N-acetyl- β -D-hexosaminidase, 75B, 239
N-acetyltransferase, 75A, 123
 α ₁-acid glycoprotein, 74B, 619
Absorptive functions, 74A, 961
Acclimation, 76A, 127
Acclimatization, 74A, 549
Acetaldehyde, 75B, 205
Acetaminophen, 76C, 9
Acetylcholine, 74C, 15, 95, 373; 75C, 285, 351
Acetylcholinesterase, 74C, 119; 75C, 357; 76C, 127
Acetyl CoA, 74B, 277, 351
Achatina achatina, 75B, 263, 269, 493
Achatina fulica, 75C, 103, 329; 76C, 99, 291
Acheta domesticus, 74A, 387
Acid-base balance, 74A, 327
Acid-base regulation, 74A, 125
Acid-base status, 74A, 787; 75A, 97
Acid hydrolase, 76B, 341
Acidosis and cardiac muscle contractility, 76A, 559
Acid phosphatase, 74C, 377; 75B, 185
Aconitine, 76C, 335
Aconitase, 76C, 335
ACTH, 74A, 873; 74C, 31
Actin, 76B, 437
Action potentials, 74A, 579
Activity, 75A, 353
Acyl-carnitines, 75B, 311
Acyl coenzyme A: Cholesterol
acyltransferase, 76B, 127
Adaptation, 74B, 325
Adenosine deaminase, 75B, 119, 441
Adenyl compounds, 76C, 319
Adenylosuccinate synthetase, 75B, 221
Adipocyte, 74C, 41
Adipokinetic effect, 74B, 793
Adrenal cortical activity, 74A, 639
Adrenaline, 74C, 477; 76C, 209
[³H]adrenaline, 74C, 319
Adrenergic, 74C, 341
Adrenergic blockade, 75C, 253
Adrenergic mechanisms, 74C, 239
Adrenergic receptors, 76A, 543
Adrenergic stimulation, 75C, 79
 α ₂-adrenoceptor, 74C, 41
Adrenochrome, 74C, 143
Aedes albopictus, 75B, 43
Aedes atropalpus, 75B, 435
Aequidens portalegrensis, 75A, 483
Age, 74A, 11; 74B, 331; 74C, 59; 76C, 67
Agelias oroides, 74B, 499
Agglutinins, 76B, 197
Air-breathing fish, 74A, 787
Alanopine dehydrogenase, 76B, 321
Albatross, 74A, 77
Albumen, 75B, 137
Alcohol dehydrogenase, 75B, 373; 76B, 161
Alcohol tolerance, 74A, 283
Alcoholic fermentation, 74A, 283
Aldehyde dehydrogenase, 74C, 271
Aldosterone, 74A, 795, 873; 74C, 177
Alectoris chukar, 74A, 149
Alkaline proteases, 74B, 365; 75B, 589; 76B, 29
Alkalosis, 76B, 535

Alkanols, 76B, 235
 Alleles, 75B, 43
 Alligators, 75A, 185; 76B, 831
 Alligator metabolism, 74B, 1-182
 Alloxan-diabetic sheep, 76B, 295
 Allozymic similarity, 74B, 385
Alouatta palliata, 74A, 29
 Alternating magnetic field, 76A, 673
 Altitude, 74A, 101
 Alveolar contractile tissue, 75C, 343
 Alveolar lining layer, 76A, 393
Amaurobius bennetti, 75A, 647
Ambystoma mexicanum, 74A, 395; 76C, 319
Ambystoma tigrinum, 74A, 555; 75C, 35
 Amino acids, 74A, 537; 74B, 273, 685
 Amino acid absorption, 74A, 409, 417
 Amino acid analysis, 74A, 323; 74B, 837; 75A, 499; 76B, 811
 Amino acid metabolism, 74B, 399
 Amino acid pools, 74A, 813
 Amino acid production, 75B, 347
 Amino acid transport, 74A, 881; 75A, 407
 4-aminobutyrate:2-oxoglutarate
 aminotransferase, 76B, 899
 δ -aminolevulinic acid dehydrogenase, 74C, 441
 Ammonia, 74A, 95; 75B, 707
 Ammonia excretion, 75C, 321; 76B, 637
 Ammonia production, 74B, 675
 Ammonia-stimulated Na-dependent
 ATPase, 74A, 889
Ammospermophilus leucurus, 76B, 723
 Amniotic fluid, 76A, 63
 AMP-deaminase, 75B, 1, 461, 465
 AMP deaminase isozymes, 76B, 471
 Amphibia, 76B, 263
 Amphibian gastric mucosa, 74C, 195
 Amphibian metamorphosis, 74B, 283
 Anaerobic capacities, 75B, 171
 Anaerobic energy, 75B, 171
 Anaerobic fermentation, 75B, 729
 Anaerobic molluscan heart, 76A, 615
Anas platyrhynchos, 74A, 351, 795, 861
 Andes, 76A, 109
 Androgen, 74A, 427
 Amplexus, 74A, 705
 Ampullae of Lorenzini, 74C, 95
 Ampullary receptors, 76A, 143
 A-MTX, 75B, 523
 Amylase, 74B, 755; 75A, 563
 Amyloid P component, 74B, 453
 Anadromous migration, 76B, 97
 Anemia, 75B, 5, 445; 76B, 221
 Anemone toxin, 76C, 25
Anemonia sulcate, 74A, 721; 75B, 181
 Anesthetic antagonism, 75A, 193
 Angiotensin, 74A, 351, 873
 Angiotensin II, 74C, 409
Anguilla anguilla, 74C, 477; 75A, 541; 75B, 581; 75C, 193; 76C, 209
Anguilla vulgaris, 76C, 163, 173
 Aniline 4-hydroxylase, 74C, 151
 Annelid skin collagen, 75B, 681
Anodonta cygnea, 76A, 381
Anomalocerca patersoni, 75B, 169
Anopheles balabacensis, 76B, 611
 Anorexia, 76B, 73
 Anoxia, 75A, 557; 76A, 295
 Anserine, 74B, 623
 Antarctic fishes, 76B, 545
Anthonomus grandis, 74A, 263
Anthopleura xanthogrammica, 76B, 823
 Anthracene-like compounds, 74C, 159
 Anticholinergic agents, 74C, 397
 Anticholinergic drugs, 74C, 299
 Anti-diamine oxidase, 74C, 109
 Antifreeze, 74A, 381
 Antisomatostatin, 74A, 671
 Antler development, 75A, 385
 Antler growth, 75A, 71
Aotus trivirgatus, 74A, 307
Aphelocoma coerulescens, 76A, 305
Apis mellifera L., 75B, 513, 607; 76A, 157; 76B, 703
Aplysia, 74C, 387

Aplysia californica, 74A, 701; 74C, 79
Aplysia heart, 75C, 295
Arenivaga investigata, 74B, 255
Arginase activity, 76B, 15
Arginine, 76B, 9
Arginine vasotocin, 75C, 295
Argione, 74B, 365
Aroclor 1254, 74C, 173; 75C, 51, 377
Aroclor 1016, 74C, 173
ArP, 75B, 93
Arsenic, 74C, 393
Artemia, 75A, 193; 75B, 647; 76B, 637, 731
Artemia salina, 75B, 221
Arterial cannulation, 76A, 791
Artibeus jamaicensis, 74A, 199
Arvicanthis niloticus, 76C, 127
Aryl hydrocarbon hydroxylase, 76C, 247
Ascaridia galli, 75B, 451
Ascidians, 75B, 519
Ascorbic acid, 74A, 51
Astacus astacus, 75A, 375; 76B, 699
Astaxanthin-proteins, 75B, 169
Ascidian, 76B, 559
Ascidian phylogeny, 76B, 555
Ascidian smooth muscle, 76B, 437
Aspartate aminotransferase, 76B, 483
Asterias rubens, 74B, 351, 587; 74C, 419; 76B, 591
Asterosaponins, 74C, 419
Astyanax fasciatus, 74B, 315
Athene cunicularia, 74A, 693
Atherosclerosis, 74B, 593
ATP, 74A, 939
ATPase, 74A, 739; 74B, 503; 74C, 259; 75A, 541; 75B, 23; 75C, 369; 76A, 55; 76B, 745
ATPMg, 75B, 93
Atrax robustus, 74C, 125
Atrial gland activation, 74C, 387
Atropine, 75C, 115
Austropotamobius pallipes, 74C, 51
Autonomic component, 74C, 485
Autonomic transmitters, 74C, 229
Autoxidation, 75B, 17
Autumn recrudescence, 76A, 31
Avian eggshells, 75A, 111
Axonal membrane, 74C, 119
Babesia hylomysci, 75B, 347
Barbus barbus, 76B, 103, 845
Barbus meridionalis petenyi, 76B, 845
Barnacle, 76B, 921
Barnacle muscle fibres, 74C, 177; 75A, 243; 75B, 93; 76A, 763
Basal metabolism, 74A, 319
Basophilic cell, 74A, 513
Bats, 75A, 509
Bean proteinase inhibitors, 74B, 403
Beetles, 76C, 277
Beta-adrenergic antagonist, 76C, 371
Beta-adrenoceptors, 76C, 297, 371
Bile acid, 74A, 221
Bile pigments, 74A, 67; 76B, 503
Biliary excretion, 76C, 107
Bilirubin, 74A, 67; 76A, 339
Bilirubin UDP-glucuronyl transferase, 76B, 503
Biliverdin, 74A, 67; 76A, 339
Biochemical genetic relationship, 76B, 611
Biogenic amines, 75C, 259
Biomphalaria glabrata, 75C, 57; 76B, 215, 253
Birds, 75A, 425, 433
Bivalves, 75B, 171; 75C, 403
Bladder, 75A, 157
Blastocritidium culicis, 76B, 143
Blattella germanica, 75B, 293
Blood, 74A, 165, 693; 75A, 499; 76A, 47
Blood gas, 76A, 211
Blood oxygen levels, 74A, 787
Blood platelets, 75C, 223
Blood pressure, 74A, 11; 74C, 485; 76C, 371
Blood proteins, 76A, 103; 76B, 79
Blood volume, 76A, 791
Blue fox, 74A, 225

Blue-green algae, 76B, 599

B-MTX, 75B, 523

Boar, 76B, 535

Body and organ size, 75A, 597

Body temperature, 74A, 595

Body weights, 76A, 413

Boltenia ovifera, 75A, 211

Bombesin, 76C, 345

Bombina orientalis, 75B, 259

Bombus terrestris L., 75C, 351

Bombyx mori, 75B, 595; 76B, 23, 139

Bonellin, 75A, 525

Bos grunniens, 76B, 185

Bos taurus, 76B, 185

bPTH-(1-34), 74C, 99

Bradypus tridactylus, 74A, 951; 76A, 345

Brain, 75C, 357; 76B, 869

Brain function, 75A, 299

Brain stem, 74C, 47

Branched-chain amino acid aminotransferase, 76B, 429

Branchinecta packardi, 76B, 885

Branchipus stagnalis, 75B, 163

Breeding, 74A, 807; 76C, 67

Brenthis, 74B, 385

Bretziium, 75C, 253

Bromocriptine, 74A, 765

Bronchial musculature, 75C, 47

Brown adipose tissue, 75A, 461

Brugia malayi, 74C, 299

Brush border membrane, 74A, 721

Bufo bufo, 75A, 51, 157

Bufo marinus, 75A, 267; 75C, 343; 76B, 717

Bulbocapnine, 75C, 227

Bullfrogs, 75A, 255

Bursting neuron, 76A, 817, 825

Busycotypus canaliculatum, 76B, 321

Butaclamol, 75C, 227

Ca^{2+} -dependent phosphatase, 76B, 745

Cadmium, 74C, 337; 75A, 9, 13, 17, 413; 75C, 21, 33, 141, 211, 275; 76C, 241, 241, 259

Cadmium and Zn-binding, 76C, 59

Cadmium-binding proteins, 75C, 21

Cadmium-containing kidney granules, 76C, 53

Cadmium-loaded frog Xenopus laevis, 74C, 311

Caecal fermentation, 75A, 517

Caecum, 75A, 87

Caenorhabditis elegans, 75B, 575; 76B, 179

Caffeine, 75C, 5, 305

Caffeine contractures, 74C, 349

Caiman, 74B, 781; 75A, 407

Calcemic hormones, 76B, 717

Calcitonin, 76A, 377

Calcium, 74A, 107, 259; 75A, 181; 75C, 369; 76A, 199; 76B, 717; 76C, 5, 199, 259

Calcium antagonists, 76C, 1

Calcium deposition, 74A, 903; 75A, 215

Calcium excretion, 74A, 375

Calcium paradox phenomenon, 76A, 601

Callichthys callichthys, 75A, 475

Callinectes sapidus, 74A, 903; 75A, 65, 181

421

Calliphora erythrocephala, 75C, 259

Callorhynchus millii, 76A, 75

Calmodulin, 76B, 643

Calorimetry, 74A, 295

Camels, 74A, 715

Camelus dromedarius, 75B, 189

Cancer magister, 74A, 45

Canthaxanthin-lipovitellin, 74B, 647; 75B, 163

Canthaxanthin-protein, 76B, 885

Capture, 76A, 795

Carassius auratus, 74A, 259, 777; 74B, 503; 76A, 295; 76B, 851; 76C, 45

Carbamate, 74C, 291

Carbohydrases, 74A, 275, 761

Carbohydrate, 76B, 603

Carbohydrate and lipid metabolism, 74B, 859

Carbohydrate digestion, 76B, 173

Carbohydrate metabolism, 74B, 331

Carbohydrate-metabolism enzymes, 74B, 459; 75B, 707

Carbonic anhydrase, 74A, 175; 74B, 295; 76B, 523

Carbonic anhydrase inhibitors, 75A, 185

Carbonic anhydrase isozyme, 75B, 81

Carbon monoxide, 74A, 933

Carbonyl cyanide m-chlorophenylhydrazone, Cell cultures, 76A, 773

74B, 567

Carboxylesterases, 74C, 451, 461; 76B, 61

Carboxylic acids, 76B, 253

Carboxylic amino acids, 75C, 57

Carcharias taurus, 74B, 661

Carcinus maenas, 75A, 141, 181

Cardiac arrest, 74A, 899

Cardiac fibers, 76A, 413

Cardiac function in lower vertebrates, 76A, 401-636

Cardiac hypertrophy, 76B, 93

Cardiac lesions, 76A, 567

Cardiac metabolism, 76A, 495

Cardiac muscles of lower vertebrates, 76A, 439

Cardiac myosins, 76B, 263

Cardioactive effects, 76C, 221

Cardiology, 76A, 401

Cardiovascular control, 74C, 239

Cardiovascular effects, 74C, 99

Carnitine, 75B, 211, 311; 76B, 295

Carnitine palmitoyltransferase, 74B, 791

Carnosine, 74B, 623

Carotenoids, 76B, 97, 599

Carotenoprotein, 75B, 541

Carotenoprotein complexes, 75B, 181

Carp, 74B, 343, 819; 75B, 23

Casein, 75B, 287, 287

Caspian terrapin, 75C, 377

Castrated adult, 74A, 21

Catch contraction, 75C, 227

Catecholamine, 74C, 323, 355; 75C, 321

Catecholamine biosynthesis, 75C, 43

Catecholaminergic system, 76C, 193

Catfish, 74A, 677

Cathartes aura, 76B, 907

Cathepsin D-like activity, 75B, 509

Cathepsin D-like proteinase, 75B, 409

Catostomus macrocheilus, 74A, 873

Caudate nucleus, 74C, 267

CCK, 76C, 345

CCK_8 , 76B, 585

Cellulose digestion, 75A, 313

Centris, 76B, 895

Centrostephanus longispinus, 76A, 279

Cerambyx cerdo, 74A, 131

Ceratitis capitata, 74B, 411, 417, 425; 76B, 249, 643

Ceratophyllum idius, 75A, 593

Cercopithecus mitis, 74A, 319

Ceriodaphnia quadrangula, 74A, 919

Cestodes, 74B, 303

cGMP-dependent protein kinase, 74B, 417

Chaenocephalus aceratus, 76A, 475

Chameleons, 75A, 185

Channa argus, 74A, 787

Chelon labrosus, 75B, 465

Chick embryo, 74A, 327

Chicken, 74A, 95, 195, 761; 74B, 441, 715; 75A, 379; 75B, 133, 395; 75C, 51; 76B, 801; 76C, 131

Chick intestinal sucrase, 76B, 465

Chimaera monstrosa, 74C, 481

Chironomus yoshimatsui, 75C, 21

Chitinolytic enzymes, 76B, 291

Chloride, 76A, 161, 831

Chloride-dependent electrical potentials, 74A, 161

Cholecalciferol 25-hydroxylase, 75B, 479

Cholecystokinin (also see CCK) 75C, 171

Cholesterol, 74A, 391; 74B, 243; 75A, 221, 239; 75B, 211; 76B, 737

Choline requirements, 76A, 177

Cholinergic components, 74C, 201, 481

Cholinergic receptor, 75C, 115

Cholinesterase, 74C, 281, 291; 75C, 377

[3 H] choline uptake sites, 75C, 317

Cholinolitics, 74C, 95
 Chordotonal organs, 74A, 169
 Chromaffin, 75C, 39, 43
 Chromatin, 76B, 763, 769
 Chromatin basic proteins, 74B, 343
 Chromatin structure, 74B, 819
 Chromatophores, 74C, 303; 76A, 279
 Chondroiton, 76B, 695
Chrysaora quinquecirrha, 74C, 225, 361
 Chymotrypsin, 75B, 435
 Cilia, 74A, 739
 Ciliary activity, 74A, 587; 74C, 397; 75C, 403
 Ciliary and electrical responses, 74A, 507
 Ciliary arrest, 74A, 499
 Cimetidine, 74C, 195
 Circadian rhythms, 74A, 307, 643; 75C, 193; 76A, 37, 773; 76B, 723
 Circannual rhythms, 76A, 37, 183
 Circular dichroism, 75B, 163, 169
 Cis-9, 10-methylenehexadecanoic, 75B, 649
 Cis-9, 10-methyleneoctadecanoic acids, 75B, 649
Citellus citellus, 75B, 699
Citellus lateralis, 74A, 817, 823
Citellus suslicus, 74C, 31
 Clams, 74C, 219
Clibanarius vittatus, 74A, 749
 Cloacal water, 74A, 795
 Clotting defects, 76A, 95, 103
Clupea harengus, 74B, 389
 C-3-methylindole, 75C, 395
 CMP breakdown, 75C, 391
 Cockroach, 74A, 357, 909
 Cockroach hindgut, 74C, 69
 Coelenterates, 76C, 193
 Coelomic cells, 76A, 253
 Coelomic fluid, 74A, 569
 CO₂ excretion, 76A, 295
 CO₂ titration curves, 75A, 603
 Coho salmon, 74C, 133
 Cold-acclimated rats, 76B, 741
 Cold acclimation, 74A, 391, 855
 Cold exposure, 75A, 21
Colinus virginianus, 74A, 369, 693
 Collagen, 74B, 525; 75B, 681
Colobus guereza, 74A, 319
 Colon, 75A, 87; 76C, 383
 Colostomized ducks, 74A, 795
Columba livia, 76C, 127
Columba oena, 76B, 567
 Compasses used by birds, 76A, 709
 Concanavalin A-histamine binding site, 75A, 457
 Con A/Sepharose, 76B, 345
Concholepas concholepas, 75B, 603
Conger conger, 74C, 139
 Contractile proteins, 76A, 439
 Contractility, 75C, 5
Conus tessulatus, 74B, 381
 Cooling, 74A, 861
 Cooling mechanism, 74A, 945
 Coomassie Blue, 75B, 133
 Copper, 74C, 133; 75A, 9, 13, 17; 75C, 33
 Copper toxicity, 76C, 95
 Corpus cardiacum, 75B, 75
 Corticosterone, 74A, 635, 795; 75A, 467
 Corticotrophin, 75A, 51
 Cortisol, 75A, 615; 76A, 37
Coturnix coturnix japonica, 74A, 839
Coturnix C japonica, 76A, 271
 Cow, 76B, 161
 Crane gallbladder bile, 74A, 221
Crangon crangon, 74A, 833
Crassostrea virginica, 74A, 587; 74B, 543; 76B, 123
 Crayfish (also see *Astacus*) 74A, 711; 74B, 221; 75A, 503
 Creatine, 76B, 295
 C-reactive protein, 74B, 453; 75C, 55
Crenicichla lepidota, 75A, 483
Crithidia oncopelti, 76B, 143
 Crop-ingested amino acids, 75A, 535
 Crotalase, 76B, 679
 Crustacean muscle, 74C, 249
 Crystallin, 76B, 47

Ctenopharyngodon idella, 74A, 915
Culex pipiens, 75A, 535
Cutaneous water evaporation, 75A, 425, 433
Cuticle, 74A, 903; 75A, 421
Cyanobacteria, 76B, 599
Cyanocitta stelleri, 76A, 305
Cyclic AMP, 74A, 653, 977; 74B, 715, 753; Dietary deficiency, 74A, 259
74C, 69, 195; 75C, 305; 76C, 121, 285
3':5' cyclic AMP, 74C, 409
Cyclic GMP, 74A, 977; 76C, 121
Cyclic nucleotides, 75C, 239
Cyclostomes, 74A, 179
Cyprinidae, 74B, 603
Cyprinus carpio, 74A, 409, 537; 75B, 693; 76B, 283
Cytochromes, 75B, 53; 76B, 703
Cytochrome P-448, 75C, 25
Cytochrome p-450, 74C, 365; 76C, 653
Cytochrome P-450 _{p25}-linked monooxygenase, 75B, 479
Cytokinins, 76A, 17
25,000-dalton M.wt. 76B, 801
Daphnia magna, 76A, 803
Daphnia pulex, 75A, 261
Dark adaptation, 75C, 77
Dark switch, 74A, 307
DDT, 74C, 259; 76C, 173
Decamethrin, 76C, 157
Deer, 75A, 71; 76A, 37
Dehydration, 74A, 449
Dehydroabietic acid (DHAA), 75C, 281
Dehydrogenases, 75B, 205
2-Deoxyglucose, 75B, 195
Depolarizing agents, 75C, 5
Desert, 74A, 715
Desmognathus quadramaculatus, 74B, 763
Destun, 74C, 473
Developing brain, 75B, 199
DFP, 75C, 17
DFP-hydrolyzing enzyme, 75C, 17
D-glyceraldehyde-3-phosphate dehydrogenase, 74B, 781
Diabetes, 76A, 199
Diacetoxyscirpenol, 74C, 167
Diapause, 76A, 367; 76C, 121
Dicentrarchus labrax pisces, 74B, 325
Dictyostelium discoideum, 75B, 53
Didelphis virginiana, 75A, 635
Diets, 75A, 141, 255; 75B, 47; 76B, 831
Di-(2-ethylhexyl) phthalate, 74C, 325
Digestibility, 75A, 653
Digestion, 75A, 41; 76A, 319; 76B, 627
Dikdik, 75A, 517
1,2-dimethylhydrazine, 76C, 383
Dipeptides, 76B, 35
Diplodon delodontus, 76B, 927
Discoglossus pictus, 74A, 765; 74B, 579; 76B, 299
Discopyge tschudii, 76C, 313
Diuretic hormone, 75B, 75
 α -D-mannosidase, 76B, 277
DNA, 74B, 481
DNA synthesis, 74B, 749
DOCA, 76B, 535
Dog stomach, 75B, 103
DOPA, 75C, 259
Dopamine, 75C, 217, 223, 295, 437
Dopamine antagonists, 76C, 203
Dopamine β -hydroxylase, 75C, 85
Dopaminergic agents, 74C, 27
Drosophila, 74A, 283
Drosophila melanogaster, 75B, 205
Drosophila simulans, 75B, 205
Drowning, 74A, 189
Drug metabolism, 74C, 383
DSIP, 74C, 31
Duck (see also Anas), 75A, 167; 75B, 323
Dufour's gland, 76B, 895
Dufour's gland secretions, 74B, 759
Ecdysis, 75A, 579
Ecdysone, 75B, 9
Ecdysteroid activity, 74A, 521

Ecdysteroid titers, 74A, 525; 76A, 367
 Echinoderms, 75B, 707; 76B, 575
 Echinoderms PG, 74C, 85
 Ecological physiology, 75A, 5
 Ectothermic enzymes, 74B, 315
 EEG, 76A, 247
 Eel, 74A, 175, 671; 76A, 745
 Efts, 74A, 927
 Egg albumen proteins, 76B, 79
 Egg amylase, 75B, 323
 Egg jelly coat, 76A, 357
 Egg lysozyme, 75B, 323
 Eggshell porosity, 75A, 167
Eimeria tenella oocysts, 75B, 185
 Elastin evolution, 74A, 373
 Electrical activity in frog heart, 76A, 593
 Electrical parameters, 75A, 631
 Electrical properties of muscle, 75A, 503
 Electric organ, 76A, 85
 Electroantennogram, 74A, 909
 Electrophoresis, 74A, 3
 Electrolytes, 74A, 83; 76A, 63
 Electoreceptor functioning, 75A, 569
 Electrosensory information, 74A, 677
 Elephant, 75A, 653
Elephantulus edwardi, 74A, 399
Eleutherodactylus, 76B, 475
 Embryonic heart, 76A, 459
 Embryo nutrition, 76A, 189
 Embysorbigularis, 76C, 255
 Emersion, 76A, 71
 Emu, 75A, 41
 Endonuclease, 76B, 763
 Endoparasites, 74B, 183
 Endoprotease, 74B, 559
 Endrin, 76C, 173
 Energetics, 74A, 731
 Energy metabolism, 74A, 833; 74B, 337
 Enkephalins, 74C, 31
 Enolase, 75B, 693
 Entrainment, 76A, 817, 825
 Environment, 74C, 55
 Enzymatic inhibition of lysine transport, 76A, 153
 Enzyme clock, 75A, 123
Ephestia cautella, 74A, 525
 Epicuticular lipid, 74B, 255
 Epidermal growth factor (EGF), 74A, 247
 Epidermal permeability, 76A, 301
 Epidermis, 75A, 51; 75B, 217
 Epinephrine (also see adrenaline), 74C, 47, 143
 Epithelia, 75B, 589
 Epithelial acid secretions, 74A, 615
 Epithelial protease, 75B, 589
Eptesicus fuscus, 76B, 355
 Equidae, 75B, 429
Equus cabalus, 75B, 113
 ERG, 74A, 711
 Ergot, 76C, 291
 Erythroblastosis, 74B, 225, 231; 75B, 395, 399, 423
 Erythrocyte, 74A, 881; 74B, 801; 75A, 635; 75B, 141, 461; 75C, 267, 383; 76A, 387; 76B, 875; 76C, 215
 Erythrocyte purine metabolism, 76B, 419
 Erythrocytic phosphates, 74A, 849
 Esters, 75B, 237, 513
 Esterases, 74B, 769; 74C, 65
 Estradiol-17 β , 74B, 459
 Ethanol, 76A, 295
 N-ethylmaleimide, 75C, 317
Eunectes notaeus, 76A, 51
Eupsophus, 75B, 475
Eurypanopeus depressus, 75A, 299; 75C, 399
Eurytemora affinis, 75B, 659
Eusthenia spectabilis, 75C, 275
 Evaporative water loss, 76A, 301
 Evolution, 76B, 489
Excirolana natalensis, 75A, 625
 Excretion, 76A, 189
 Exercising birds, 76A, 211
 Exo- β -N-acetylglucosaminidases, 74B, 515
 Exocrine chemistry, 75B, 15
 Extracellular transport, 74A, 701
 Eye lens core (nucleus), 75B, 405

Eye movements, 75A, 363

Fasting, 74B, 243, 859; 75A, 141; 75B, 581

Fasting dog, 75B, 553

Fat, 74A, 601

Fat body, 75B, 127; 76A, 31

Fat cell, 74C, 41

Fatty acids, 74A, 459; 75A, 221; 75B, 581; Freezing rate, 74A, 381

75C, 93; 76A, 217; 76B, 927

Fatty acid content, 74B, 289

Fatty acid synthesis, 75B, 641; 76B, 249

Fawns, 75A, 385

Fecundity, 74A, 923; 76A, 47

Feeding pattern, 74A, 855; 76A, 21

Fenitrooxon, 74C, 249

Fermentative digestion, 74A, 29

Ferret red cells, 74A, 939

Ferritin, 74B, 643; 76B, 567

Fertilization envelope, 76A, 357

Fetuin, 76A, 241

Fetus, 75B, 495, 701

Fibrinogenase, 76B, 679

Fibroblast 3T3 cells, 74C, 433

Fibroin, 74B, 637

Fibronectin, 76B, 687

Fish, 74A, 417; 74B, 735; 75C, 383; 76B, 15, 35

Fish blood variables, 75A, 35

Fish heart, 76A, 487, 507

Fish intestine, 75A, 325

Fish muscles, 75B, 255

Fish scales, 76A, 127

Flies, 76C, 121

Flight muscle, 74B, 549; 75B, 317

Flight performance, 74A, 849; 74B, 337

Flounder, 75C, 121

Fluid compartments, 76A, 75

Flying habits, 74A, 289

FMRFamide, 75C, 373

Food proteins, 74B, 213

Formate, 75B, 293

Formalin, 76C, 265

Fowl (see also chicken), 74A, 51, 961;

75A, 167; 76C, 151

Fowl eggs, 74A, 315

Free fatty acids, 74A, 391

Free radicals, 74B, 633

Freeze-dried bovine and porcine blood, 76A, 47

Frog, 74A, 311, 391, 455, 577; 76A, 583; 76B, 583

Frog liver, 74B, 851

Frog neuromuscular preparations, 75C, 285

Frog spinal cord, 76C, 231

Frog tongue, 76A, 233

Fructose, 76B, 817

FSH, 76A, 37

Fundulus heteroclitus, 75B, 649

Fungi, 74A, 71

Furazolidone, 74C, 109

Furazolidone-induced cardiomyopathy, 75C, 207

G6PD, 75B, 189, 505

G6PDH, 75B, 685; 76B, 811

GABA, 76C, 231

Gadopsis marmoratus, 74B, 307

Gadus morhua, 74C, 173; 75C, 39, 43, 93; 76B, 365, 777

Galactin, 75B, 269

β -Galactosidase isoenzyme, 76B, 619

Gallus domesticus (see also chicken: fowl), 74A, 83, 125, 343, 449, 635, 639; 74B, 643; 75A, 139; 75B, 341; 75C, 267; 76B, 567; 76C, 67

Gametogenesis, 74B, 343, 819

Ganglion extracts, 74A, 471

Gangliosides, 76A, 85; 76B, 649

Gastric antrum, 76B, 549

Gastric mucosa, 76B, 5

Gastrocnemius, 75B, 277

Gegarcinus lateralis, 74A, 117

Genetic polymorphism, 74B, 755

Geodia cydonium, 76B, 763, 769

Geomagnetic anomalies, 76A, 691
Geomagnetic field, 76A, 643
Geophagus brasiliensis, 75A, 483
Geotria australis, 74A, 623; 75B, 31
Gerbillus pyramidum, 74C, 15
Geukensia demissa, 74B, 539
GI, 76A, 217
Giant neurons, 76C, 99, 291
Gigantiopterus, 75B, 15
Gill, 74A, 107; 75A, 401; 75B, 465, 581; 76B, 745
Gill epithelial cells, 75A, 541
Gillichthys mirabilis, 75A, 205
Ginglymostoma cirratum, 76B, 277
Glomerular filtration, 75C, 253
***Glossina palpalis* rearing of**, 75A, 499
Glucagon, 75B, 341
 β -1,3-Glucan, 74B, 221
Glucocorticoid, 75A, 91
Glucocorticoid receptor, 75B, 645
 β -D- gluco/fuco/galactosidase, 75B, 719
Gluconeogenesis, 74B, 273; 74C, 409
Glucose, 74A, 681, 839, 961; 74C, 143; 75A, 201; 76A, 265; 76B, 591
Glucose levels, 76A, 397
Glucose tolerance, 74B, 743
Glucose transport, 75A, 401
 α -Glucosidase, 74B, 529
Glucuronidation, 76C, 107
Glutamate, 74A, 95; 74C, 191; 75C, 199
Glutamate dehydrogenase, 74B, 815; 75B, 61; 76B, 823
Glutamate response, 74C, 425
Glutamine synthetase, 75B, 655
 γ -Glutamylhistamine synthetase, 74C, 79
 γ -Glutamyl transpeptidase, 74C, 89
Glutathione, 75A, 27; 75B, 195
Glutathione depleted rat, 76C, 9
Glutathione peroxidase, 75B, 563
Glutathione peroxide, 76B, 831
Glutathione reductase, 75B, 689
Glutathione S-transferase, 74C, 89
Glycera dibranchiata, 75B, 499
Glycerate-2,3-P₂, 76B, 9, 789, 795
Glycerol, 75A, 593; 75B, 625; 76A, 265
Glycerol-3-phosphate dehydrogenase, 75B, 43
Glycine, 75B, 293
Glycine uptake, 76A, 127
Glycoconjugates, 76B, 755
Glycogen, 74A, 601; 76A, 157
Glycogen content, 75A, 557
Glycogenolysis, 75B, 553
Glycogen mobilization, 75C, 167
Glycogen phosphorylases, 74B, 473
Glycogen storage, 75A, 255
Glycol chitin, 76B, 291
Glycolysis, 74B, 795
Glycolytic enzymes, 74B, 549; 75B, 317
Glycolytic pathway, 75C, 267
Glycolytic system, 75B, 141
Glycoprotein, 74B, 619; 75A, 391; 76B, 755
GM₁-ganglioside, 76B, 619
Gnathonemus petersi, 76A, 85
Goats, 75C, 137
Gobius giurinus, 74A, 253
Goldfish, 74B, 775
Goldfish muscle energy metabolism, 75B, 635
Gonyaulax monilata, 75C, 131
Goose, 75B, 133
GPT, 74B, 449
Grasshoppers, 74A, 101
Growth, 74A, 259; 75A, 91
Growth hormone, 76A, 265; 76C, 151
Growth rate, 76A, 127
GSH, 75B, 5; 76B, 1
GSSG, 76B, 1
GTP insensitive AMP deaminase, 74B, 851
5'-guanylylimidodiphosphate, 74C, 177
Guinea-pigs, 74B, 831; 74C, 111; 75A, 97; 75B, 5, 563
Gustatory neural response, 75A, 131
5HT, 74C, 437; 76C, 135, 151, 285
5HT interneurons, 76A, 21
Halobates hayanus, 75B, 617
Halocynthia roretzi, 74C, 393

Hamsters, 74A, 649; 74B, 749; 76A, 55
Handling, 76A, 795
Hansenula anomala, 75A, 609
Haptoglobin, 74A, 745
Harderian gland, 74B, 709
Hearing, 74A, 659
Heart, 75B, 1; 75C, 327; 76A, 413; 76B, 471, 483
Heart lesions, 76A, 583
Heart mass, 74A, 693
Heart rate, 74A, 595, 817
Heart rate telemetry, 76A, 515
Heart ventricle myoglobin, 76A, 481
Heat, 75A, 563
Heat acclimation, 74A, 945
Heat acclimated rats, 74A, 967
Heat balance, 74A, 149
Heat shock proteins, 75B, 379
Heat shock response, 74B, 425
Heat stress, 74A, 449; 75A, 105
Heat tolerance, 75A, 153
Hedgehogs, 74A, 143, 435
Heliconiini, 75B, 65
Helicops modestus, 76B, 915
Heliothis virescens, 74C, 255
Heliothis zea, 75B, 127; 76B, 127
Helisoma trivolis, 74A, 491
Helix, 74A, 161, 471
Helix aspersa, 75C, 171
Helix pomatia, 74A, 165; 75B, 269; 75C, 387; 76C, 203, 351, 327
Hemagglutinin, 75A, 57
Hematological values, 74A, 89
Heme, 75B, 567
Heme-a, 76B, 327
Heme oxygenase, 74B, 533
Hemerythrin, 74A, 687
Hemicholinium-3, 75C, 317
Hemocyanin, 74A, 45; 75B, 269, 327, 331; 76B, 153, 615
Hemocyte lysate, 74B, 221
Hemoglobins, 74A, 545, 745, 755, 919; 74B, 487; 75A, 81, 261, 475, 483; 75B, 259, 499, 567; 76A, 123, 253; 76B, 207, 221, 235, 731, 915
Hemoglobin oxidation, 76B, 579
Hemolymph, 74C, 143, 521; 75B, 513
Hemolymph chemistry, 75A, 647
Hemolymph proteins, 74B, 433, 467
Hemolymph volume, 76A, 803
Hemophiliac dog colony, 75A, 147
Hens (see also Gallus, Chicken), 74C, 383; 75A, 563
Heparin sulfates, 76B, 695
Hepatic arginase, 75B, 471
Hepatic biotransformation, 76C, 81
Hepatic excretion, 74A, 67
Hepatic plasma membranes, 76B, 309
Hepatocytes, 75B, 341
Hepatopancreas, 74B, 807; 74C, 51; 75B, 689
Hepatotoxicity, 76C, 9
Herbicide, 74C, 473
Heteropoda venatoria, 75A, 647
Hexokinase, 74B, 691, 791, 807
L-hexonate dehydrogenase, 76B, 869
Hibernating ground squirrels, 74C, 31
Hibernating sand vipers, 74A, 137
Hibernation, 74A, 817, 823; 75A, 273; 75B, 699; 76B, 355
Hibernation-hypothermia, 74A, 143, 435
High altitude, 76A, 109
Hirudo medicinalis, 75C, 185
Histamine, 74C, 79, 111
L-histidine, 76B, 35
Histones 2A, X, 76B, 455
Histone 5, 75B, 133
Holothuria glaberrima, 74A, 267; 76A, 831
Holothurian muscle, 75C, 5; 76C, 1
Homeothermic superorganism, 75A, 641
Homeothermy, 75A, 307
Homing in Pigeons, 76A, 639-752
Homing in pigeons: magnetic field, 76A, 643, 665, 673, 683, 691
Homing in pigeons: nocturnal, 76A, 743
Homing in pigeons: olfactory, 76A, 719
Honey bee (see also Apis), 74B, 467; 74C,

143; 74B, 467; 75B, 237
 Honey bee cluster, 75A, 641
 Hormone levels, 75A, 385
 Hornet venom, 76C, 221
 Horse, 74A, 11; 75B, 113, 217
 Host species, 74B, 183
 Houseflies, 74C, 259
 Human, 74B, 825
Hydra japonica, 76A, 283
 Hydrogenosomes, 74B, 357
 Hydrostatic pressure, 75A, 193
 Hydroxyacids, 75B, 217
 6-hydroxydopamine, 76C, 327, 339
Hymenolepis diminuta, 74B, 399
 Hypercapnic conditions, 75A, 97, 603
 Hyperglycaemia, 75A, 201
 Hyperlipidemic chickens, 76B, 331
 Hyperoxia, 76B, 241
 Hyperthermia, 75A, 391
 Hyperthermic reactions, 75A, 589
 Hypothalamus, 74C, 47
Hypophthalmichthys nobilis, 74A, 915
 Hypophysial hormones, 75A, 447
Hypophysis, 74B, 763
Hyposoter exiguae, 75B, 489
 Hypophysectomy, 75A, 51
 Hypothalamic catecholamine content, 75C, 193
 Hypoxia, 74A, 395; 75B, 277
 Icefish, 76B, 541
Ictalurus punctatus, 74A, 513
Idotea balthica basteri, 74B, 433
 Immunocytochemistry, 74C, 23
 Immunodeficiency, 75B, 113
 Immunoglobulin, 76B, 507, 515
 Immunoglobulin M, 76B, 385
 Immunotaxonomic relationships, 74A, 869
 Inbred rats, 75A, 529
 Incubation, 74A, 77
 Indole-3-acetic acid, 74C, 433
Indoplanorbis exustus, 74A, 579
 Infection, 74A, 71
 Inflammation, 74A, 813
 Information transmission, 76A, 143
 Inhibitors, 74B, 543
 Inorganic ion pairs in physiology, 74A, 781
¹⁴[C]inosine, 75A, 471
 Insect galls, 76A, 17
 Insulin, 74A, 95, 681; 75B, 341
 Insulin-like hormone, 74A, 463
 Insulin-like proteins, 74A, 951
 Intermyofibrillar, 76B, 783
 Intestinal mucosa, 74A, 37; 74B, 243
 Intestine, 74A, 247, 459; 75A, 205, 407
 Intracellular acidity, 76B, 559
 Invertebrate homeostasis, 76A, 753
 Iodine, 75A, 273
 Iodohormone, 75A, 139
 Ions, 75A, 175
 Ion regulation, 76A, 1
 Ion transport, 75A, 205; 75C, 305
 Iron, 74A, 343; 74B, 567; 75A, 13, 17
 Isoenzymes, 75B, 221; 76B, 483
 Isometallothionein, 75C, 211; 76C, 33
 Isoproterenol, 76A, 593
Isotricha intestinalis, 74B, 357
Isotricha prostoma, 74B, 357
 Isozymic differentiation, 75B, 355
 Juvenile hormone, 76A, 289
 Kainic acid, 76C, 231
 Kangaroo, 74B, 259; 75B, 685
 Kestrels, 75A, 163
 Ketogenesis, 75B, 557
 α -ketoisocaproate, 75B, 703
 Ketone bodies, 76B, 741
 Kidney metabolism, 75A, 609
 Kynurenone, 75B, 571
Lachnus tropicalis, 74B, 521
 Lactate/pyruvate ratio, 74B, 775
 Lactogenic hormone receptor, 76B, 529
Lampetra fluviatilis, 75B, 531
 Lamprey, 74B, 525; 75A, 369

Lantana poisoning, 75C, 361
Lanthanum, 75C, 285
Larval development, 76A, 157
Lateral-line, 74A, 253, 677; 75C, 199
LDH, 74B, 307, 579, 725, 775; 75B, 263, 685; 76B, 17, 103, 191, 271, 299
LDHM, 74B, 307
Lead, 74C, 441; 75A, 17
Lean and fat chickens, 75B, 641
Learning, 75A, 299
Lecithin, 76A, 393
Lectins, 76A, 283
Leech neurones, 74C, 211
Leech Retzius cells, 74C, 425
Lenses, 76B, 47
Lens gamma crystallins, 75B, 425
Leptodactylus labyrinthicus, 76A, 123; 76B, 475
Leptogorgia virgulata, 76B, 443
Leucine, 75B, 703; 76B, 591
Leucophaea maderae, 76C, 39
Leucophores, 74C, 103
1-Leucyl- β -naphthylamidase, 75B, 595; 76B, 23
LH, 76A, 37
Lichmera indistincta, 74A, 731
Life span, 75A, 529
Light, 74A, 455
Lima hians, 76B, 73
Limanda herzensteini, 74C, 393
Limax maximus, 74C, 281, 291; 76A, 21
Limulus polyphemus, 74C, 437
Limulus synaptosomes, 75C, 317
Linamarin, 75B, 65
Linoleic acid, 75B, 199
Liophis miliaris, 76B, 915
Lipids, 74B, 243, 325, 661; 76B, 927
Lipid composition, 75B, 617
Lipid metabolism, 74A, 839
Lipid relationship, 75A, 369
Lipofuscin, 76B, 399
Lipogenic activies, 76B, 331
Lipoidal membranes, 74B, 295
Lipopolysaccharide, 74B, 453
Lipoproteins, 75B, 301
Lipoprotein lipase, 74B, 593
Lithium, 76B, 921
Lithobius forficatus, 76C, 237
Livers, 74B, 225, 231, 251; 74C, 151; 75A, 609; 75B, 581; 75C, 395; 76B, 423; 76C, 383
Liver biopsies, 75B, 557
Liver cells, 74A, 839
Liver gluconeogenis, 75B, 531
Liver lipids, 75C, 93
Lobsters, 76A, 95, 103
Local anesthetics, 75C, 327
Locomotion, 74A, 117
Locusta, 75B, 75
Long-distance releases of pigeons, 76A, 733
Lotaustralin, 75B, 65
Luidia clathrata, 74B, 753
Lumbricus terrestris, 74A, 569; 76B, 197
Lungs, 74A, 467; 75C, 343, 395; 76B, 755
Lung respiration, 75A, 379
Lung ventilation, 76A, 271
Lycosa avida, 75C, 399
Lycosid spiderlings, 74A, 981
Lymnaea stagnalis, 75A, 549
Lysine-rich histones, 74B, 611
Lysosomal acid hydrolase, 76B, 549
Lysosomal enzyme, 76B, 93
Lys-Trp, 75B, 23
Lytechinus variegatus, 74C, 159
Macaca fascicularis, 75B, 287
Macrobrachium, 74A, 57
Macrobrachium ohione, 74C, 303
Macrobrachium rosenbergii, 74A, 561
 α -1 and α -2-macroglobulin, 75B, 701
Macropus giganteus, 74B, 259
Macropus rufus, 74B, 259
Madoqua kirki, 75A, 517
Magnesium, 75A, 13, 17, 529; 76A, 335
Magnesium-dependent ATPase, 75B, 153
Magnesium distribution, 75A, 111
Magnetic field, 76A, 665

Magnetic sensitivity, 76A, 683

Malaria, 74B, 481

Malate dehydrogenase, 74B, 283, 315; 75B, 147

Malic enzyme, 74B, 627

Mallotus villosus, 75A, 337

Maltase, 75A, 563

Mammary gland differentiation, 76B, 409

Mammary tissue, 74B, 749

Man, 75C, 47

Manduca sexta L., 74B, 515, 667, 769

Manganese, 75A, 13, 17; 75C, 17

Map basis, 76A, 643

Marine arthropod, 74C, 201

Marine teleost fish, 76A, 453

Marmots, 74A, 89

Marthasterias glacialis, 76B, 839

Mast cells, 75C, 217

Mauremys caspica rivulata, 75C, 377

Maurolicus muelleri, 75C, 79

Meganyctiphanes norvegica, 74A, 301

Megascolia flavifrons, 75C, 145

Melanins, 76B, 399

Melanophores, 76C, 297

Melatonin injections, 76A, 389

Membrane, 76A, 1

Membrane transport, 75A, 325

Mepps, 75C, 285

Mercenaria mercenaria, 76B, 133

Mercury, 76B, 789; 76C, 259

Meriones unguiculatus, 74A, 971; 76A, 807

Meroistic insect ovary, 74A, 3

Mesocricetus auratus, 74C, 355; 76B, 1

Messenger RNA, 75B, 327, 665

Metabolic adaptations, 74B, 493

Metabolic capacity, 76A, 553

Metabolic changes, 74A, 807

Metabolic rates, 76A, 783

Metabolic relations, 74A, 101

Metabolic responses, 74A, 823

Metabolic zonation, 76A, 423

Metabolisable energy, 75A, 1

Metabolism, 74A, 63, 143, 605; 74B,

331, 543; 75B, 255; 76A, 85; 76B, 253

Metabolites, 75A, 557

Metals, 76A, 63

Metal-binding proteins, 74C, 51

Metal detoxication, 76C, 53, 59

Metal ions, 75C, 1

Metallothionein, 74B, 507; 74C, 133, 311, 331; 75C, 33, 275

Metamorphosis, 74A, 521; 76B, 503

Met-enkephalin, 74C, 23; 75C, 373

Methemoglobin, 75A, 27, 635

Methemoglobin reductase, 75B, 27

3-O-methyl hexoses, 75B, 331

Metronidazole, 75C, 311

MFO inducers, 75C, 395

Microbial flora, 76B, 585

Microbracon hebetor, 75B, 523

Microcalorimeter, 74A, 63

Microciona prolifera, 76B, 687

Microcystis aeruginosa, 74C, 413

β_2 -microglobulin, 74B, 225, 231; 75B, 395, 399

β_2 -microglobulin-like protein, 76B, 423

Microsomal O-de-ethylases, 74C, 173

Microstomus pacificus, 74A, 977

Microtubules, 74A, 739; 75B, 625

Microtus arvalis, 74A, 427

Microtus ochrogaster, 75A, 659

Midgut lumen, 75B, 589

Mink, 74A, 225

Mitochondria, 74B, 815; 75B, 227, 557, 557; 76B, 41, 133, 783, 851

Mitochondrial electron transport, 75B, 451

Mitochondrial hexokinase, 74B, 235

Modiolus modiolus, 75A, 17

Molluscan neuropeptide, 75C, 373

Molluscs, 76B, 569

Molt, 76A, 183

Molt cycle, 76A, 259

Monkey, 74B, 825; 75B, 211

Monoamine, 74C, 59, 303

Monoamine levels, 74C, 27

Monoamine oxidase, 74C, 35; 75C, 327;

76B, 393

Monoaminergic agents, 76C, 181

Monodelphis domestica, 74A, 665

Monoiodotyrosine, 74B, 739

Mono-oxygenase system, 76C, 45

Monoterpene, 74C, 365

Motility pattern, 75A, 379

Motor behaviour, 74C, 27

Moultling fluid, 74B, 769

Mouse, 74A, 37, 247; 74B, 749, 859; 76A, 393; 76B, 93, 341, 419, 585

Mouse eye, 75C, 135

Moxostoma anisurum, 76B, 721

Moxostoma erythrurum, 76B, 721

Mugil cephalus L. 76A, 335; 76C, 163, 173

Mulinia lateralis, 74C, 337

Musca domestica, 74C, 461; 76B, 861

Muscle, 75A, 413, 503; 75B, 1; 76A, 203; 76B, 471

Muscle myogen, 74B, 487

Muscle myosins, 76B, 185

Muscle plasma membranes, 76B, 107

Mya arenaria, 76A, 381

Myelin, 76B, 881

Myelin basic protein peptide 43-88, 74B, 445

Myocardial calcium levels, 75C, 207

Myocardium, 76A, 447; 76C, 199

Myocastor coypus, 75A, 603; 75B, 563

Myoelectric activity, 75A, 413

Myofibril development, 76A, 465

Myoglobins, 74A, 289; 76A, 487; 76B, 479

Myohemerythrin, 74A, 687

Myosin, 76B, 437

Myosin B, 75B, 23

Myotropic peptide, 76C, 39

Mytilus, 74A, 499, 507; 75C, 227

Mytilus californianus, 76C, 391

Mytilus edulis, 74C, 59; 74B, 691; 75A, 13; 75B, 365, 689; 76C, 53

Mytilus galloprovincialis, 74B, 807; 74C, 331

Mytilus kidney, 76C, 59

Mytilus muscle, 76C, 305

Muscle-contracting factor, 75C, 351

Na⁺-K⁺ ATPase, 74C, 355; 75A, 65; 76A, 115; 76B, 449

NAD⁺-dependent isocitrate dehydrogenase, 76B, 123

NADH-cytochrome b₅ reductase, 74B, 411

NADPH, 74B, 351

β-naphthoflavone, 75C, 25

Nauphoeta cinerea, 76B, 65

Navigation, 76A, 643

Navigation by pigeons, 76A, 639-752

Necturus maculosus, 74C, 35

Nematodirus battus, 76B, 603

Nematocyst venom, 74C, 225, 361

Nematodes, 76A, 289

Nematode chromosomal proteins, 76B, 179

Neonatal rats, 76C, 33

Neotoma lepida, 76A, 115

Nephila clavipes, 74B, 637

Nephridial function, 76A, 167

Nephrys incisa, 76B, 207

Nereis, 75A, 57

Nerodia rhombifera, 76A, 301

Nerve cord of Lumbricus terrestris, 76C, 113

Nervous and humoral control of the fish heart, 76A, 525

Nesotragus moschatus, 75A, 517

Neural mechanisms, 74A, 351

Neuroactive component, 75C, 131

Neuromuscular junctions, 74C, 191

Neuromuscular transmission, 75C, 239

Neuropeptides, 74C, 185

Neurosecretory neurons, 75A, 549

Neurotoxin, 74C, 125

Neurotransmitters, 76C, 237

Neurotransmitters in coelenterates, 74C, 1

Nickel, 74C, 337

Nicotinic acetylcholine receptor, 76C, 313

Nippostrongylus brasiliensis, 75B, 451; 76B,

899

Nitric acid, 76C, 227

Nitrite, 76B, 1

Nitrofurazone, 76C, 131

Nitrogen content, 74A, 323

Nitrogenous excretion, 74A, 491

Nocturnal homing in pigeons, 76A, 743

Noradrenaline, 74B, 743; 74C, 373, 409, 437

Norepinephrine N-methyltransferase, 74C, 47

Normobaric oxygen toxicity, 74B, 831

Nosema whitei, 74B, 553

Notomys alexis, 74A, 467

Notophthalmus viridescens, 74A, 927; 75B, 671

Nototheniids, 76B, 541

¹³C nuclear magnetic, 74B, 303

5'-nucleotidase activity, 76B, 309

Nutrition, 75B, 713

Nutritional physiology, 74A, 561

ob/ob, 76B, 309

Octopamine, 76C, 113

Odocoileus virginianus, 74A, 21

Oligosaccharide, 76B, 755

Ommin, 76B, 57

Oncopeltus fasciatus, 76C, 283

Oncorhynchus keta, 76B, 97

Oncorhynchus kisutch, 75A, 215

Oncorhynchus masou, 74B, 719

Ondatra zibethicus, 75A, 397

Ontogeny of orientation, 76A, 701

Oocytes, 75B, 685

Oogenesis, 75B, 575

Opercular plate, 74B, 837

Opheodrys aestivus, 76A, 301

Opiates, 75C, 387

Opsanus beta, 74A, 889

Orconectes immunis, 74A, 475

Orconectes limosus, 74B, 473

Organic acids, 74A, 45

Organochlorines, 76C, 163

Organophosphate, 74C, 291

Organophosphate detoxicating hydrolases, 76C, 85

Orgyia pseudotsugata, 75A, 233

Orientation, 74A, 777

Oryctolagus cuniculus, 75A, 87

Oryzias latipes, 74C, 103; 76A, 135

Oscillating neural components, 74A, 479

Osmolality, 76A, 161

Osmoregulation, 74A, 57, 301; 75A, 619

Osmotic adjustment, 74A, 531, 537

Osmotic and ionic regulation, 76A, 753

Osmotic effectors, 74A, 267

Osmotic pressure, 76A, 381; 76B, 663

Osmotic stress, 74A, 773; 76B, 823

Ostrea edulis, 75A, 9

Ostrinia nubilalis, 76A, 367

Otolith check formation, 75A, 215

Ouabain, 76B, 449

Ovalbumins, 76B, 345

Ovalipes punctatus, 75A, 353

Ovarian development, 75A, 535

Ovariectomized crickets, 75B, 733

Ovary, 76A, 31

Overwintering, 75A, 255

Ovis aries, 74A, 681; 75A, 201; 76B, 271

Ovoviparous salamander, 75B, 471

Owls, 75C, 51

Oxidase system, 75C, 51, 137

Oxidized oil, 76B, 349

Oxygen, 74A, 315

Oxygen binding, 74A, 45; 75A, 261; 76A, 253, 387

Oxygen consumption, 74A, 263, 595, 643, 749, 885; 75A, 249, 557

Oxygen equilibrium, 75A, 81

Oxygen exchange, 74A, 333

Oxygen uptake, 74A, 315, 491

Oxyhemoglobin, 75B, 17

Oxytocin, 74A, 967

P-450, 74C, 365; 76B, 653

Pachyptila desolata, 75A, 307

Palaemonetes pugio, 74C, 377
Palmitic acid, 75C, 179
P-aminohippurate, 74A, 697
Pancreas, 75A, 563
Pancreatic extracts, 75A, 347
Pancreatic proteinases, 74B, 403
Panulirus argus, 76A, 259
Papilio, 75B, 571
Papilio graphium weiskei, 76B, 57
Paramecium, 76A, 1
Paramecium aurelia, 75B, 415
Paramecium caudatum, 75B, 421
Paramecium hemoglobin, 75B, 415, 421
Paramecium jenningsi, 75B, 421
Paramecium multimicronucleatum, 75B, 421
Paraoxon, 74C, 249
Paraquat, 75C, 167
Parasicyonis actinostoloides, 76C, 25
Parathion, 75C, 377
Parathyroid, 74B, 763
Passer domesticus, 74B, 549; 75B, 317
Pecten maximus, 76B, 173
Pelecanoides georgicus, 75A, 307
Pelecanoides urinatrix, 75A, 307
Pelobates syriacus, 75A, 619
Penicillin, 74A, 51
Pentagastrin, 74A, 37
Pepsinogen, 75B, 103, 109
Pepsins, 75A, 337
Peptides, 75C, 161
Peptide hepatotoxins, 74C, 413
Perchlorate, 74A, 687
Perfluidone, 74C, 473
Perfused head, 76C, 209
Peridroma saucia, 74C, 365
Perinereis brevicirris, 75B, 17, 567
Peripatus acacioi, 76A, 167
Peripheral metabolism, 75A, 467
Periplaneta americana, 74A, 169; 75C, 111
Peritrophic membrane, 75A, 233
Perivitellin fluid, 75C, 1

Permethrin (NRDC-143), 75C, 247
Peromyscus, 74B, 703
Peroxide metabolism, 75C, 383
Petrel, 74A, 77
Petroleum, 75C, 93, 121
Petroleum exposure, 76C, 247
PFK, 75B, 341
pH, 74B, 295; 76A, 55
pH of the blood cells, 75A, 211
Pharyngeal air-swallowing motor program, 75A, 579
Phenoloxidase, 75C, 111
Phenolphthalein, 76C, 107
Phentolamine, 75C, 253
Phenylalanine, 75B, 603
Phenylalanine swamping, 74B, 735
Phenylethylamine, 76C, 215
N-β-phenylpropionyl-L-tyrosine, 75C, 329
Philine aperta, 75C, 161; 76C, 135
Phodopus sungorus, 74A, 155
Pholis gunnellus, 76A, 71
Phosphine action, 76C, 277
Phosphoarginine, 76B, 41
Phosphocreatine, 76B, 41
Phosphoglycerate mutase, 76B, 795
Phospholipid, 75B, 31, 47; 76B, 737
Phosphorylation, 76B, 801
Photoperiod, 76A, 259
Photoperiodic, 76A, 389
Photophores, 75C, 79
Phormia regina, 74C, 451
Phormia terraenovae, 74B, 331, 337
Photoperiod, 74A, 391, 427
Photoperiodic regulation, 74A, 195
Photophores, 74C, 341
Pig, 74C, 267; 75B, 335; 76A, 363; 76B, 161, 789
Pig heart, 76C, 335
Pig stomach, 76B, 549
Pigeons, 74B, 593; 74C, 441
Pigeon horning, 76A, 639
Pigeon horning: olfactory deprivation, 76A, 719

Pigeon homing: shielded lofts, 76A, 725
 Pigment green, 75A, 525
 Pineal gland, 74A, 195, 649; 76A, 683
 Pineal melatonin, 74A, 155; 76A, 199
Pisaurina mira, 75A, 647
 Pituitary, 74A, 513
 Planaria, 74C, 23, 27
 Plasma, 74A, 21; 74B, 243
 Plasma glucose, 74A, 391
 Plasma membrane, 76B, 335
 Plasma protein, 75A, 163, 441
 Plasma volume, 74A, 83; 75A, 105
Plasmodium sp., 75B, 347
Plasmodium berghei, 76B, 875
Plasmodium yoelii nigeriensis, 74B, 559
 Platelets, 74B, 825; 75B, 245
Platichthys flesus, 74B, 459; 75B, 153
Pleurodeles waltii, 75A, 81; 75B, 301
Pleuronectes platessa, 74B, 453
 P-mercuribenzoate, 74A, 687
Poecilia reticulata, 75A, 343
 Polecat, 74A, 225
Pollachius virens, 74B, 389
 Polyenoic fatty acids, 75B, 199
 Polymorphonuclear leucocytes, 75B, 335
 Polypeptide chains, 75B, 567
Pomacea sp., 76B, 695
Pomatoceros lamarckii, 74B, 837
Porichthys notatus, 74C, 341
Porpita sp., 75B, 169
 Potassium, 75A, 529; 76A, 161
 Potassium benzoate, 76A, 777
 Pregnant rats, 75A, 615
 Prekeratins, 74B, 653
 Pressor responses, 74A, 351
 Presynaptic alpha-like receptors, 76C, 305
 Pretectal lesions, 76A, 247
 Procaine, 74A, 51
 Proctolin, 74C, 69, 75
 Progesterone, 74B, 703
 Programmed cell death, 74B, 667
 Prolactin, 74A, 765; 76A, 37; 76C, 151
 Proline oxidation, 76B, 133
 Prolyl hydroxylase, 75B, 671
 Propagation, 76A, 225
 Propionate synthesis, 75B, 365
 Propionylcholinesterase, 75C, 185
 Propylthiouracil, 76C, 9
 Prostaglandins, 74C, 85; 76C, 285
 Prostaglandin F_{2α}, 74A, 967
 Prostaglandin synthesis, 76C, 285
 Protease inhibitor, 76B, 699
 Proteases-6B3, 76B, 29
 Protease activity, 74B, 221
 Protein, 74A, 409; 76A, 621
 Protein biosynthesis, 75B, 127
 Protein body compartments, 75B, 607
 Protein digestion, 74A, 417
 Protein intake, 76A, 807
 Protein kinase, 74B, 715
 Protein synthesis, 76B, 139, 541
 Protein synthetic rates, 74B, 735
 Proteinaceous components, 76B, 443
 Proteinase, 75B, 409
 Proteinase inhibitors, 76B, 365
 Protocerebral neurosecretory cells, 74A, 131
 Protozoa, 74A, 211
 Protractor hyoideus, 76B, 283
Pseudemys, 76B, 191
Pseudopleuronectes americanus, 75C, 93
 Pupal weights, 76A, 47
 Purines, 76B, 637
 Purine metabolism, 76B, 215
 Purine nucleoside phosphorylase, 75B, 233;
 76B, 473
 Purine nucleotide, 76B, 817
 Purinoceptors, 76C, 255
 Pyloric caeca, 74B, 351, 753
 Pyrethroid, 76C, 157
 Pyrimidine metabolism, 75C, 391
 Pyruvate carboxylation, 75A, 185
 Pyruvate kinase, 74B, 801; 75B, 603
 Q₁₀, 76A, 783
 Quails, 75A, 467

Rabbit, 74A, 67, 295, 755, 955; 74C, 109; 75B, 5, 23, 563; 75C, 47; 76A, 55, 63, 339, 393
Raccoon dog, 74A, 225; 76C, 81
Radioimmunologic detection, 74C, 23, 75
Radioresistance, 76B, 153
Rainbow trout, 74C, 55, 89; 75A, 153; 75B, 109
Raman spectra, 74B, 647; 75B, 163, 169
Rams, 74B, 529
Rana catesbeiana, 74B, 533; 75C, 211; 76B, 327, 503, 529
Rana esculenta, 74A, 311; 75B, 645; 76A, 31; 76C, 157
Rana pipiens, 74A, 705
Rana ridibunda, 76A, 389
Rana sp. 74C, 99
Rangifer tarandus tarandus, 74A, 33
Rat, 74A, 295; 74B, 749; 74C, 323, 447; 75A, 77, 91, 597; 75B, 277, 373; 76A, 55, 393
Rat fetuses, 76A, 241
Rat heart, 75B, 47
Rat liver, 75A, 391
Rat lung, 75C, 179
Rat plasma renin, 74A, 331
Rat serum, 76B, 227
Rat soleus muscle, 74C, 349; 76B, 783
Rat submandibular gland, 74B, 235
Rattlesnake venom, 76B, 679
Rattus norvegicus, 74A, 155
Ravens, 74A, 605
RBC, 75B, 189, 195, 347, 359
Rearing-temperature, 76A, 363
Red cell metabolism, 75B, 445
Refeeding, 76B, 777
Reflexes, 74A, 169
Regenerating limbs, 75B, 671
Renal function, 74A, 199
Renal proteolytic activity, 74B, 445
Renin, 74A, 873
Reproductive cycle, 74A, 239; 76B, 591
Reptiles, 76A, 553
Respiration, 75A, 353, 625; 75B, 707; 76A, 211
Respiration rate, 74A, 211
Respiratory capacity, 75A, 491
Respiratory metabolism, 74A, 57
Respiratory movements, 74A, 861
Respiratory rhythms, 75A, 293
Rete mirabile, 74A, 333
Reticulocytes, 74A, 755
Retina, 75B, 655; 76B, 241
Restriction endonuclease, 74B, 481
Rheumatobates aestuarius, 75B, 617
Rhinoceros, 75A, 653
Ribonuclease, 75B, 545
Ribosomal proteins, 76B, 113
Ribosomal RNA synthesis, 75B, 575
3-N-ribosyluric acid 5'-monophosphate, 75B, 495
RNA, 75B, 127
RNA polymerases, 74B, 719
Rousettus aegyptiacus, 75B, 441; 76B, 881
Rumen contents, 75C, 361
Rumen development, 75C, 137
Ruminants, 76A, 217, 319
Salamandra salamandra, 75B, 471
Salinity, 74A, 587, 903; 74B, 325; 75B, 581; 76A, 81, 335; 76B, 433
Salivary gland cells, 75C, 161
Salivary neuron, 76A, 21
Salmo alpinus, 74B, 243
Salmo gairdneri, 74A, 773, 74B, 251, 389, 507, 795, 801; 74C, 229, 325; 75A, 401, 609; 75B, 703, 713; 75C, 281; 76B, 107, 241, 349, 515; 76C, 107, 227, 241, 265, 365
Salmo salar, 75C, 1; 76C, 265
Salmo trutta, 74A, 107
Salmon, 74A, 899; 74B, 685; 75A, 27; 75C, 121; 76B, 523
Salmon eggs, 75C, 1
Saponins, 76B, 839
Sarcophaga bullata, 74C, 451; 75B, 9
Sarotherodon mossambicus, 74A, 531

Sarpedobolin, 76B, 57
Schistocerca americana, 75C, 399
Schistocerca gregaria, 74C, 191
Schistosoma mansoni, 75C, 57; 76B, 215; 76C, 377
Scinus afficinalis, 76C, 127
Scomber scombrus, 76A, 795
Scophthalmus maximus, 75A, 471
Scorpion, 75B, 327; 76B, 153
Scorpion neurotoxin, 75A, 413
Scotophase acclimation, 74C, 323
Scyliorhinus canicula, 75B, 625; 76A, 465
Scyliorhinus stellaris, 74C, 139
Scyllium stellare, 76A, 459
Seabird, 74A, 885
Sea snakes, 74A, 869
Seasonal variation, 74C, 373
Sea urchin, 76C, 181
Seawater adaptation, 75A, 343
Sebaceous glands, 75B, 217
Secretion₂₁₋₂₇, 76B, 585
Seizure syndrome, 74A, 343
Selenium, 75B, 563; 76B, 831
Semicarbazide, 74C, 115, 447
Sequestration, 76C, 283
Serotonergic, 74C, 341
Serotonin, see also 5HT, 74C, 139, 239, 295
Serotonin N-acetyltransferase, 74A, 195
Serotonin synthesis, 75C, 135
Serum, 74B, 251; 76B, 737
Serum electrolyte, 74A, 449
Serum proteins, 76B, 907
Sex differences, 74B, 709
Sex pheromones, 74A, 909
Sex steroid hormone receptor, 76B, 409
Sexual dimorphism, 74A, 705
Sheep, 74A, 295; 75C, 223; 76B, 161
Sheep embryos, 76A, 387
Sheep liver, 75B, 719
Sigmodon hispidus, 75A, 659
Silk fibroin, 74B, 365
Silver, 75C, 337
Silkworm, 75B, 589; 76B, 29
Sitophilus, 76A, 177
Skate, 74C, 95
Skeletal muscle, 75A, 491
Skeletal muscle fibre, 74A, 955
Skin lipids, 75B, 429; 76B, 673
Sleep and waking, 76A, 345
Sloth, 74C, 485
Slow and fast muscles, 76B, 801
Smooth muscle contracting compounds, 75C, 145, 153
SMWP, 76B, 423
Snail bursting, 76A, 173
Snakes, 74A, 807; 74B, 739
SOD, 76B, 241
Sodium, 75A, 529; 76A, 161
Sodium balance, 74B, 763
Sodium concentration, 74A, 267
Sodium-dependent amino acid transport, 76A, 357
Sodium efflux, 75A, 243; 76A, 763; 76B, 921
Sodium permeability, 76A, 51
Sodium transport, 75C, 337; 76C, 285
Somateria m. mollissima, 76B, 79
Somatostatin, 74A, 671; 75A, 347
Spawning, 75A, 369
Spectral light sensitivity, 76A, 279
Sperm, 74B, 611
Sperm release, 74C, 219
Spermophilus beecheyi, 76A, 183
Spermophilus lateralis, 74C, 185
Spermophilus richardsoni, 74A, 363; 75A, 273
Sphaerium striatinum, 76A, 783
Spheroides glaber, 76B, 507
Spicules, 76B, 443
Spinal cord, 75B, 441; 75C, 357
³H]-spiroperidol binding, 76C, 391
Spisula solidissima, 74B, 289
Spleen, 75A, 91
Squalus acanthias, 74C, 319; 75B, 625; 76A, 75, 81; 76C, 271
Squatina, 75B, 355

Squid, 75C, 17
Squid mantle muscle, 75B, 409
Starvation, 74A, 475; 75A, 347; 76B, 215, 777
Starved dog, 75B, 557
Sternohyoideus, 76B, 283
Steroids, 74A, 971
Steroid metabolites, 76B, 167
Sterols, 74B, 289, 499, 597; 75B, 519; 76B, 569
5,7 -sterol, 76B, 569
Steryl sulphate, 76B, 575
Stichopus japonicus, 74B, 597; 74C, 393; 76B, 167
Stoat, 74A, 225
Stomach, 74C, 229; 76C, 271
Streptokinase, 75B, 389
Streptomycin sulfate, 74C, 255
Streptozotocin-diabetes, 76A, 265
Stress, 74A, 51; 74C, 377; 75A, 215
Sturnus roseus, 74A, 601
Subcommissural organ, 74A, 455
Submandibular gland secretion, 74A, 829
Substance P, 75C, 387
Substrate specificity, 74B, 299
Sucrose, 75B, 277
Sulfated glycoprotein, 76B, 5
Sulfated glycosaminoglycan, 76B, 433
Sulfates, 76B, 695
Sulphydryl groups, 75B, 233
Sulphydryl group reagents, 75C, 231
Sulphide, 76B, 579
Suni, 75A, 517
Superoxide dismutase, 75B, 699
Surfactant lipids, 74A, 295; 74C, 115
Swimbladder, 74A, 659
Swimming velocity, 75A, 397
Sylvia borin, 76A, 397
Symbiosis, 76A, 177
Synaptic transmission, 74C, 95
Synaptic vesicles, 75C, 285
Syrian hamster, 76A, 199
T₁ T₃ T₄, 76A, 37
Tadpoles, 74A, 577; 74B, 533
Taste cells, 75A, 131; 76A, 777
Taste organ density, 76A, 233
Taurine, 75A, 141; 76A, 507
Tautogolabrus adspersus, 76C, 247
Teleogryllus oceanicus, 75A, 579
Teleosts, 76A, 189, 791
Teleost gill, 74A, 889
Telmatobius, 76A, 109
Temperature, 74A, 479, 777; 75A, 153, 353, 363, 375, 397; 75B, 581; 76A, 55, 71, 127, 271; 76C, 127
Temperature changes, 75B, 359
Temperature compensation, 75B, 379; 76A, 173
Temperature regulation, 74A, 369, 399; 605
Temperature sensitivity, 74A, 357
Temperature tolerance, 75A, 267
Tenebrio molitor, 74A, 463; 74B, 273; 74C, 463
Tension, 76A, 203
Terminal respiration pathways, 74B, 567
Tessulatoxin, 74A, 381
Testes, 74A, 231; 76C, 75
Testicular steroidogenesis, 74A, 231
Testosterone, 76A, 37
Tetrahymena, 76A, 1
Tetrahymena phagocytosis test, 75A, 457
Tetrahymena pyriformis, 74B, 567
Tetrahymena thermophila, 75B, 239
Tetrahymena vorax, 74A, 739
Tetrodotoxin, 74C, 211
Thamnophis melanogaster, 74A, 807
Theophylline, 74C, 195
Thermal acclimation, 74A, 475
Thermal denaturation, 76B, 235
Thermal panting, 74A, 125
Thermal phase transitions, 74A, 295
Thermal stress, 74A, 149; 75A, 433
Thermal trauma, 76B, 227
Thermoregulation, 74A, 225, 319, 649
Thiamin, 76C, 131

Thiourea, 75A, 379
 Threonine, 74B, 277
 Threshold potential, 76A, 173
 Thrombin-like enzyme, 76B, 679
Thunnus thynnus, 74A, 333
 Thymocyte, 76B, 515
 Thymus, 74B, 611
 Thyroglobulin, 75A, 273
 Thyroid, 75B, 545
 Thyroid-deficient pigs, 74B, 743
 Thyroidectomized rats, 76A, 265
 Thyroid hormones, 74A, 179
 Thyroxine, 75A, 71, 379; 76A, 37, 265
 Tibia muscle, 75A, 285
 Tilting, 74C, 485
 Title for a paper, 74A, 1
 Toad, 75C, 321; 76C, 339
 Toadfish, 74A, 659
 Toadfish mating cell, 76A, 225
 Toad skin, 75A, 631; 75C, 337
 Torpor, 76A, 183
 Toxins, 75B, 523
Toxocarca canis, 75B, 147
Toxorhynchites brevipalpis, 75B, 435
 Tracheal volume, 74A, 693
 Transamidination, 76B, 489
 Transcobalamin II, 76B, 117
 Transferrins, 74B, 603; 76B, 845
 Transport of urea, 75A, 157
 Trehalose, 74C, 143; 76A, 157
 TRH, 74A, 653
 Triacylglycerols, 75B, 31
 Triacylglycerol lipase, 74B, 587
Tribolium, 74B, 755
Tribolium castaneum, 74B, 553; 74C, 65
 Tricarboxylic acid cycle, 76B, 851
Trichoplusia ni, 75B, 489
 Triglyceride, 75B, 211
 Trimethylamine, 75A, 343; 76C, 67
Trionyx niloticus, 76B, 479
Triturus alpestris, 74A, 545
Triturus cristatus, 74A, 545; 76B, 221
Triturus vulgaris, 74A, 545
 Trochidae, 74A, 323
 Tropomyosin, 76B, 373
 Trout, 74A, 71; 75C, 25, 247; 76B, 429; 76C, 259
Trypanosoma, 75B, 505
Trypanosoma brucei brucei, 74B, 277
Trypanosoma cruzi, 74B, 449, 573; 75C, 311; 76B, 61
 Trypsin, 75B, 435
 Tsetse fly, 76A, 47
 TSH, 76A, 265
 Tube feet, 74B, 753
Tubifex, 75A, 557
 Tuna, 76A, 481
Turbo cornutus, 76B, 619
 Turkey, 75A, 167, 175; 75C, 207; 76C, 371
 Tyrosine aminotransferase, 76B, 87
 Tyrosine hydroxylase, 74C, 267; 75C, 39
Uca pugilator, 76B, 615
 UDP-glucuronosyltransferase, 76C, 365
 Uinta ground squirrels, 74A, 239
 Ultrastructure of junctional region, 76A, 471
 Underwater hearing, 74A, 555
 Ungulates, 74A, 375
Unio pictorum, 75B, 541
 Urates, 75B, 293
 Urea, 74A, 467, 715
 Urea concentrations, 75A, 619
Urechis caupo, 76A, 253
Urechis unicinctus, 75B, 681
 Uric acid production, 74A, 95
 Urinary bladder, 75C, 321
 Urine, 75A, 509
Valanga nigricornis, 74B, 791, 793
 Valine, 74A, 961
 Vanadium, 76B, 555; 76C, 199
Varanus exanthematicus, 75A, 347
 Velocity sedimentation, 75A, 541
 Venom, 75C, 145, 153
 Venom glands, 74C, 125
 Venom hyaluronidase, 76B, 377

Venom sac extract, 74C, 469
Ventilatory functions, 75A, 77
Ventilatory rate, 76A, 71
Ventricle, 76A, 453, 471
Ventricular myocardium, 76A, 423, 475
Vespa mandarinia, 76C, 221
Vespa orientalis, 74C, 469
VIP, 76C, 345
Visceral ganglion, 75C, 103
Visual pathways, 75C, 77
Visual stimulus, 76A, 247
Vitamins, 76A, 177
Vitamin D, 74A, 923; 74B, 715
Vitamins E, K₁ and K₃, 74A, 387
Vitelline membrane, 75B, 137
Vitellogenesis, 76B, 885
Vitellogenin, 76A, 135; 76B, 65
Vitellogenin synthesis, 75B, 733
Volatile fatty acids, 74B, 539
Voles, 75A, 589
Walking, 75A, 375
Water, 74A, 101; 75A, 175; 76A, 51
Water balance, 74A, 665; 75A, 447; 76A, 807
Water deprivation, 74A, 83, 715
Water fluxes, 74A, 927
Water metabolism, 74A, 399
Water relations, 74A, 357, 981; 75A, 659
Wax esters, 74B, 251
Weaning, 74C, 267
Weight changes, 74A, 33
Whey proteins of milk, 74B, 259
White trunk muscle, 74B, 389
Woodrats, 76A, 115
Worker honey bees, 76A, 157
Xanthine, 75B, 293
Xanthine dehydrogenase, 76B, 497
Xenopus, 74B, 725; 76B, 17
Xenopus laevis, 75C, 33, 199; 76B, 497
X-ray diffraction, 74B, 837
Xylocopa micans, 74B, 759
Xylocopa virginica texana, 74B, 759
Yeast, 75B, 693
YGGFMRFamide, 75C, 373
Yolk, 75B, 137
Zacco temmincki, 76C, 297
Zapus princeps, 74A, 595
Zinc, 74C, 441; 75A, 9, 13, 17; 75C, 33, 141
Zoease, 75C, 141
Zucker rats, 74A, 855